What You Should Know
Hands-On Test Report
Hewlett-Packard Officejet Pro 8500A Premium e-All-in-One

Executive Summary

Hewlett-Packard's new Officejet Pro 8500A e-All-One color ink-jet series is built on the company's previously introduced Officejet Pro 8500's print engine, but adds new advanced technologies, including ePrint mobile printing, Print Apps, and new color touch screen.

Ease of Use

The new color touch screen provides superior readability and ease-of-use—menus flow well, and we found it easy to navigate, as well as quickly understand features via help provided by the touch screen. One thing that's key is that only the options you need for the function you're using (fax, scan, copy) are shown, making operation much simpler. There's also a QWERTY-style keypad for entering text such as e-mail addresses and names for scanned files, which is always preferable to using an alphanumeric keypad.

Another new upgrade in the ease-of-use department is a newly redesigned software suite that is streamlined and less demanding on the PC's resources. The software is non-intrusive and easy to use, and guidance is straightforward and easy to follow.

Image Quality

The Officejet Pro 8500A produced very good text quality that was readable down to even 4 pt. font size, good resolution, and outstanding line and dot control. The system also produced very good color photographic quality: ISO raw TIFF test photographs printed displayed very good detail and color saturation—colors were vibrant, and flesh tones were realistic, the latter of which is very important when considering any system with photo-printing capability. Ultimately, while not on the same level as with much more expensive specialty photo printers with five or more ink colors, we found that color photographic quality will be more than acceptable for 95 percent of all color-photo printing applications, and is actually better than that produced by the previous Officejet Pro 8500.

Productivity

In testing, the Officejet Pro 8500A printed at up to 16.01 (black)/9.60 (color) ppm in normal mode, virtually matching (and in one case exceeding) HP's rated normal print speed of 15/11 ppm. Tested copy speed was slower at 7.94 (black)/5.53 (color) ppm in normal (default) mode using the document feeder, but faster at 12.98 (black)/7.89 (color) ppm using the flatbed scanning glass.

Mobile Printing With ePrint

With ePrint, print from any e-mail-capable device. Just launch an e-mail, attach the file, address the e-mail to your Officejet's unique e-mail address, and then send the e-mail. We sent jobs from a Palm Pre, Apple iPad, Apple iPod Touch, and Microsoft Windows PC. Files were accurately rendered, and the Officejet usually received the job and began printing in less than 20

What It Is

Outstanding
Performance in Hands-On Testing

Hewlett-Packard Officejet Pro 8500A Premium e-All-in-One

"As far as 'refreshes' go, the Officejet Pro 8500A Premium packs some serious upgrades over its predecessor, the Officejet Pro 8500 Premier. While it retains the same office-basic productivity feeds and speeds, usability and versatility have been dramatically improved with the inclusion of ePrint, Print Apps, an 8.5"x14" platen, and a 4.3"color touch screen. Couple this with a low acquisition price and cost per page, and the Officejet Pro 8500A Premium is hard to beat, as it provides state-of-the-art digital-imaging functions, and should be a welcome addition in many small offices and business." - Terry Wirth, President, Wirth Consulting.

Imaging Technology: Thermal Color Ink-Jet
Functions: Print/Copy/Scan/Fax
Maximum Print Speed: 35 (black)/34 (color) ppm
Recommended Monthly Duty Cycle: 250-1,250 pages
Maximum Monthly Volume: 15,000 pages
Suggested Retail Price: $399.99
Availability: Retail, www.HP.com
Introduction Date: September 2010

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Executive Summary

seconds. This will be a great time saver and convenience for mobile users. We found it takes about 10 minutes to enable ePrint at HP's www.hpeprint.com, and it's easy to manage.

Print Apps

We had no difficulty using and managing Print Apps, including adding or removing them at the ePrint Web site. For business use, the forthcoming Google Docs app will provide easy access to users' documents stored on Google's cloud-based storage site. A Box.net app will provide similar capabilities. Currently available Print Apps are devoted to news, personal use, and children's activities and education. There's really a wide array of content available, and what's key and keeps it interesting is that content is periodically updated, daily for instance with the Tabbloid app.

Office Features

The Officejet Pro 8500A series also provides a solid set of office-level features. At this point, its office features rival those of much higher priced MFPs distributed by office dealers. These include:

- Color network scanning—scan to network folders, e-mail, PCs, USB flash drives, and memory cards, plus there's pull scanning from the PC, and PIN-protected scan to e-mail addresses and network folders.
- Wired Ethernet and wireless network connectivity.
- Super Group 3 color fax, as well as PC fax for sending and receiving faxes at the PC. Received faxes can also automatically be routed to a network folder (and not printed), or to a specified e-mail address. With the latter, you can make sure you receive important received faxes while on the road by having them sent to your e-mail address.
- 50-sheet duplexing automatic document feeder (Premium and Plus configurations), legal-size platen (Premium and Plus), automatic duplex printing, and two 250-sheet media sources (Premium).
- Previously-noted color touch screen, including QWERTY-style keypad.

Cost Per Page

Cost per page is very economical using the 940XL ink cartridges—1.6¢ and 7.2¢ for black and CYMK color respectively. We've extensively researched cost per page for both ink-jet and laser color All-in-Ones in this class and up, and 1.6¢ and 7.2¢ is at the low end of the scale: Among a sampling of color laser and ink-jet All-in-Ones in this segment, black cost per page ranges from approximately 3¢ to 6¢, and color cost per page ranges 10¢ to 22¢.

Reliability And Maintenance

During our evaluation, we did not observe any reliability, installation, or usage problems—no misfeeds or paper-feeding problems occurred, no paper-curling or ink smudging was observed, installing ink cartridges was clean and easy, printed output was neatly stacked, functions worked correctly, etc. A plus is that help and instructions for performing the maintenance that is occasionally required (such as the automated print-head cleaning) is easy to perform, and the touch screen provides easy-to-follow instructions as well as animated clips demonstrating how to perform these tasks.

What It Is

The Officejet Pro 8500A Premium e-All-in-One is based on HP's previous Officejet Pro 8500 Premier ink-jet All-in-One. As with the previous Officejet Pro 8500, there's full-color capability in all functions—network print, copy, network scan and scan to-email, and fax. Three configurations are available:

- Our tested model was the Officejet Pro 8500A Premium (model A910n), which lists at $499.99. Currently there's a 20-percent instant-rebate discount for pricing of $399.99 at HP.com. This configuration has 128 MB of memory, 50-sheet duplexing automatic document feeder. 8.5"x14" (legal-size) flatbed scanning glass, 4.3" color touch screen, auto duplex printing in print, copy, and fax modes, Super Group 3 color fax and PC fax, two media sources (2x250-sheet media drawers), and 802.11b/g/n wireless and Ethernet network connectivity. There's TWAIN and WIA scan from the PC, as well as scan to network folders, memory devices, PCs, and e-mail addresses from the touch screen. You also receive two sets of color ink cartridges (two sets of cyan, yellow and magenta cartridges), as well as 50 pages of brochure paper and Readiris OCR software.
- The Officejet Pro 8500A Plus (model A910g) lists at $399.99; currently there's a 17.5-percent instant-rebate discount for pricing of $329.99 at HP.com. This configuration is similar to the Premium, but is equipped with one 250-sheet media drawer and one set of color ink cartridges (plus black).
- The entry-level Officejet Pro 8500A (model A910a) lists at $299.99. Currently there's a 10-percent instant-rebate discount for pricing of $269.99 at HP.com. This configuration is the same as the Plus version, and also has a new color touch screen, but the touch screen is smaller at 2.36". Other differences are that it has 64 MB versus 128 MB of memory; 8.5"x11.7" (not 8.5"x14") flatbed platen; 35-sheet simplex document feeder versus 50-sheet duplex document feeder, and one 250-sheet media drawer. Scan is the same except there's no scan to e-mail from the device (scanned files can be sent to the PC and then sent through a resident e-mail program instead).

IMAGE QUALITY

Image-quality originals used by Wirth Consulting when evaluating a device's image quality.

TESTED IMAGE QUALITY

In order to evaluate image quality, Wirth Consulting uses:

1. The highest image-quality settings.
2. ImageXpert™ Printer 600 dpi Target Version 5.1.
3. ImageXpert Test Target EP-PSv1.
4. Northlight Images UK Grayscale Linearization Test Chart.
5. Synthetic (photographic) test images derived from ISO Internal Standard 12640 Graphic Technology (Prepress Digital-Data Exchange – CYMK Standard Color Image Data [CYMK/SCID]).
6. Hammermill 100/112+ Euro Bright, 28 lb. Color Copy Paper.

NOTE: Image-quality samples contained in this report are raw TIFF, non-compressed photos that have been captured with a high-end digital camera. They are intended to provide readers with our best approximation of image quality. However, all Wirth Consulting comments on image-quality are based on a visual examination of the actual printed image-quality samples themselves, not on the photographs.

Imaging Technology: Thermal Full Color Ink-Jet
Maximum Print Resolution: 4,800 x 1,200 dpi (color)

STRENGTHS

- The Officejet Pro 8500A produced crisp black text, very good resolution and fine-line reproduction, excellent dot control, as well as text readability down to 4 pt. font.
- ISO raw TIFF test photographs displayed good detail, excellent color saturation, no banding, and realistic flesh tones, with photographs displaying an overall very-pleasing appearance. Color test photos actually displayed better image quality than photos produced by the previous Officejet 8500 Series,
- In a test that evaluates printer dot control, the system was able to virtually perfectly reproduce the test target—a laudable achievement for any device at any price point.
- Very good overall copy quality, with good text quality down to even 4 pt. font size.
- No ink bleed-through or smearing was observed.

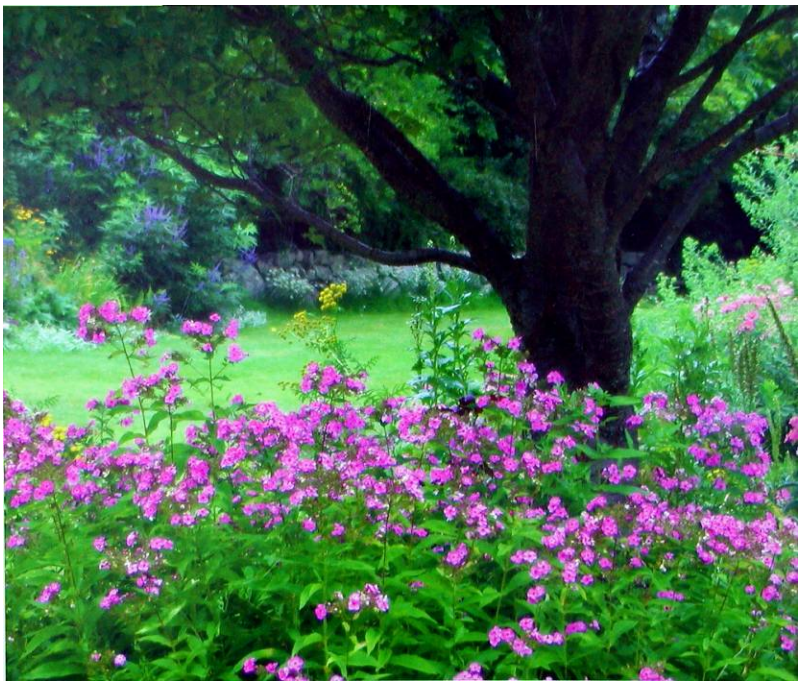
LIMITATIONS

- None.

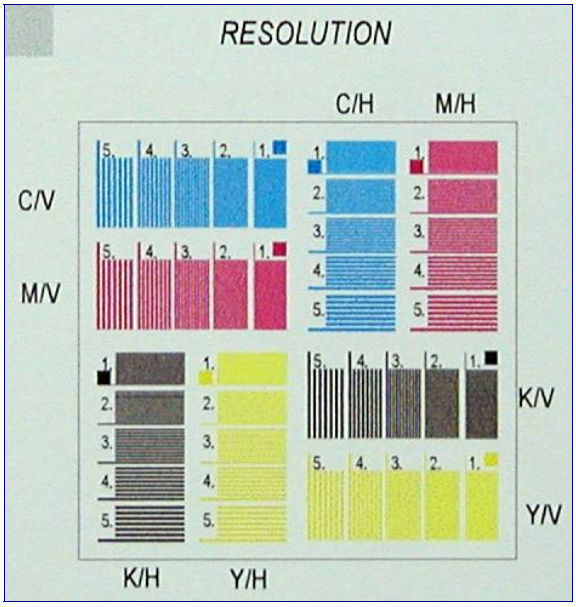
PRINT-MODE IMAGE QUALITY SAMPLES (RAW TIFF DIGITAL PHOTOS)

Raw TIFF photo of the test target printed on HP Bright White Paper (plain paper). Overall the photo has an attractive appearance, and colors are true—for instance, the musician's dress is a burgundy shade, as it should be, and flesh tones are smooth and natural.

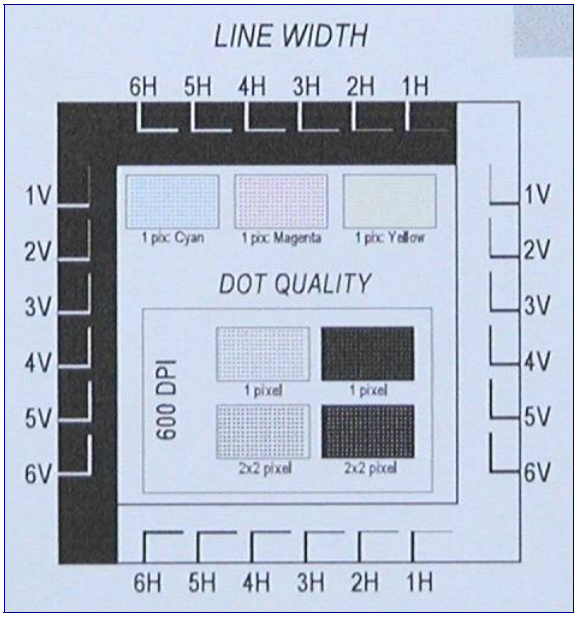
Raw TIFF photo of the test target printed on HP Advanced Photo Paper. While our plain-paper sample is good, colors are much more vibrant and vivid printed on HP glossy photo paper. Colors are very accurate, flesh tones are very smooth and natural, and fine detail is very good. Color photographic image quality appears to be even better than that produced by the previous Officejet Pro 8500 Series that we had also tested.



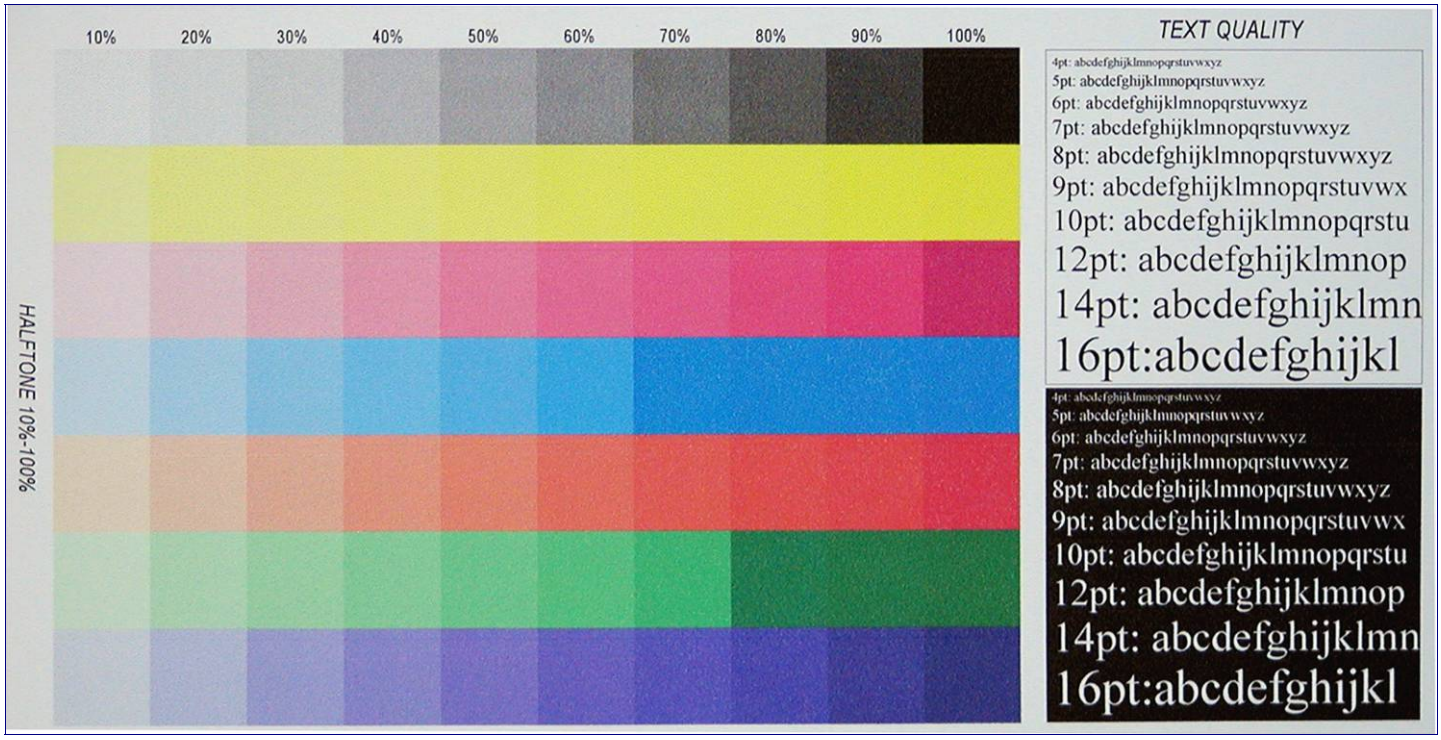
Two photos, both printed on HP Advanced Photo Paper, demonstrate good color saturation and fine detail, and a very pleasing overall appearance.



When printing the area of the test target that evaluates resolution, the Officejet Pro 8500A was able to produce fine lines as small as 3 pt. for all colors, which is very good for an office-color imaging device.

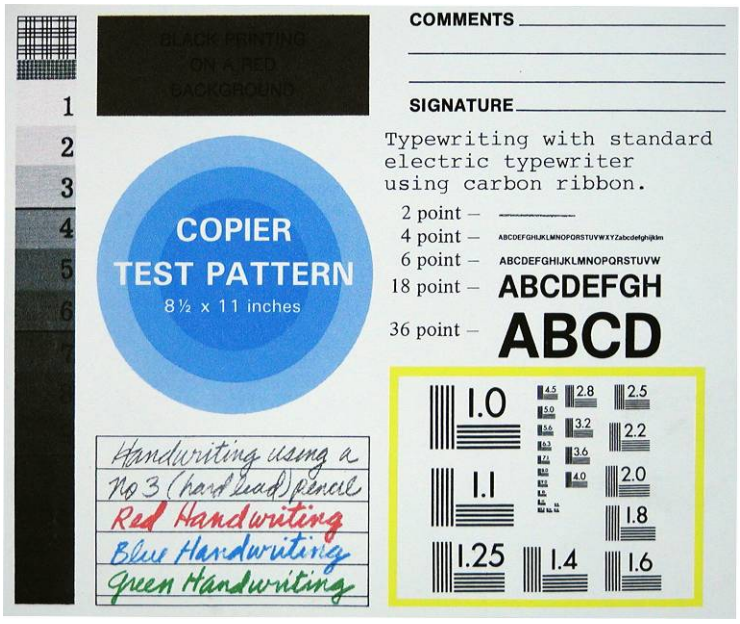


The system was also able to produce both horizontal and vertical positive and negative lines as thin as 1 pt. It produced virtually 100 percent of negative and positive 1- and 2-pt. pixels for each color (CMYK). Note how the dot boxes are virtually completed filled, a task which is challenging for many printers, but is done very well here.



The ability to produce halftones correctly is essential in order to produce accurate grayscale and color halftones. The first row of the halftone chart represents the Officejet Pro 8500A's ability to produce grayscale images. As may be seen, the system was able to perfectly produce all 10 shades correctly in distinct 10% steps, indicating that it will be able to produce grayscale images very well. It was also able to produce the next three colors (yellow, cyan and magenta) well, correctly producing magenta in 10% steps, and cyan correctly from approximately 10% to 90%. Although difficult to see in the image-quality sample above, but apparent in the actual image sample itself, the yellow scale was also produced in correct steps. The system was also able to produce virtually all steps correctly for composite orange, green and blue, although there was some lack of stepping in the 80% to 100% green steps. The Officejet Pro 8500A also produced clear, readable negative and positive text down to 4 pt. font size—the smallest font size most office users will ever require. Overall, text was crisp and clear and compared very well with text produced by other office-imaging printers and All-in-Ones tested by Wirth Consulting.

COPY-MODE IMAGE QUALITY (Text/Photo Mode)



In the copy image-quality sample to the left taken in color text/photo mode, the system was able to produce the halftone scale to the far left in increments of 10% to 100% well. Reproduction of text was very good, with distinct, readable text down to even 4 pt. font size. The handwriting samples reproduced in different colors were also distinct and readable, and the Copier Test Pattern was also correctly reproduced. Although not apparent in the sample to the left, but apparent in the actual printed copy itself, the system was able to produce readable black text in the dark red box in the upper left. In the line pairs per millimeter chart in the lower right, the system was able to clearly reproduce lines as fine as 5.0 to 5.6 lp/mm, which is very good.

PRINT

The Officejet Pro 8500A Series is rated at up to 15 (black)/11(color) ppm in laser-comparable mode (35[black]/34 [color] ppm in draft), and is equipped with USB 2.0 port, Ethernet and wireless 802.11b/g interfaces, two memory-card slots, PictBridge-compatible USB flash memory drive, and PCL 3 GUI print driver.

Client Operating Systems Supported

Microsoft Windows 7, Vista, XP (SP2); Apple Mac OS Xv 10.5, v 10.6; Linux.

Optional Network Interfaces And Connectivity

HP Jetdirect: Jetdirect en1700 External Print Server, Jetdirect en3700 Fast-Ethernet External Print Server for Network Capable Hi-Speed USB 2.0 Peripherals, Jetdirect ew2400 802.11b/g wireless and Fast Ethernet external print server (USB 2.0, 10/100Base-TX, 802.11b/g), Jetdirect ew2500 802.11b/g Wireless Print Server.
Other: Apple AirPort Express, Apple AirPort Extreme, Apple Airport TimeCapsule.

Memory Cards Supported

Memory Stick, Memory Stick Duo, Memory Stick Pro, MagicGate Memory Stick Duo; Memory Stick Micro (requires adapter); Secure Digital (SD); Secure Digital High Capacity; miniSD, microSD, microSDHC (requires adapter); MultimediaCard (MMC), Secure MultimediaCard; Reduced-Size MultimediaCard (RS-MMC), MMC Mobile, MMCmicro (requires adapter).

USB Flash Memory Drives Supported

- SanDisk Cruzer Micro: High-speed, 0120-256, 256 MB.
- Iomega Micro Mini: Full-speed, 064-0417450-YCAE032171, 128 MB.
- Kingston DataTraveler II: High-speed.

Two memory-card slots, as well as a USB port for printing from USB flash drives, are easy to access on the lower right front panel. You can both print from and scan to these devices. The USB port is also PictBridge-compatible, so you can directly download photos via cable from a PictBridge-compatible digital camera.

Max. Print Speed :	35/34 ppm	PictBridge Port:	Yes
Laser-Comparable:	15/11 ppm	Bluetooth:	No
Max. Print Res.:	4800x1200 dpi	USB Host Port:	2.0
Wireless Networking:	802.11b/g	Media Drive Slots:	3
Ethernet Networking:	Yes	CPU:	**
Std./Max. Mem.	128/128 MB*		

**Officejet Pro 8500A e-All-in-One base configuration is equipped with 64 MB of memory; Officejet Pro 8500A Plus and Premium configurations are each equipped with 128 MB of memory. *Information not available.

TESTED PRINT PERFORMANCE
(PCL 3 GUI Print Driver- Normal Mode)

Test Document	FPOT (sec.)	Job Time (sec.)	PPM
1-Page Photo	31.61	31.61	1.90
10-Page Adobe Acrobat Color	21.81	78.04	9.60
10-Page Adobe Acrobat Text	18.28	52.01	16.01
10-Page Power Point Color	22.80	161.57	3.89
10-Page B/W Word Text	16.81	55.86	13.83
10-Page B/W Word Duplex**	39.60	151.53	6.15

*Drying time for the first side of the page in duplex mode was 5.7 for black output and 13.2 seconds for color output. Drying time however will vary depending on page coverage—the more coverage, generally the longer drying time.

PCL 3 GUI PRINT-FILE SIZES (MB)

Test Document	Native File Size	Print File Size
1-Page Photo	2.011	15.00
10-Page Adobe Acrobat Color	0.568	1.44
10-Page Adobe Acrobat Text	0.146	0.51
10-Page Power Point Color	3.641	18.60
10-Page B/W Word Text	0.069	0.37
10-Page B/W Word Duplex	0.069	0.37

TEST PLATFORM: Microsoft Windows 7; Microsoft Office 2010; Adobe Acrobat 9.04.

STRENGTHS

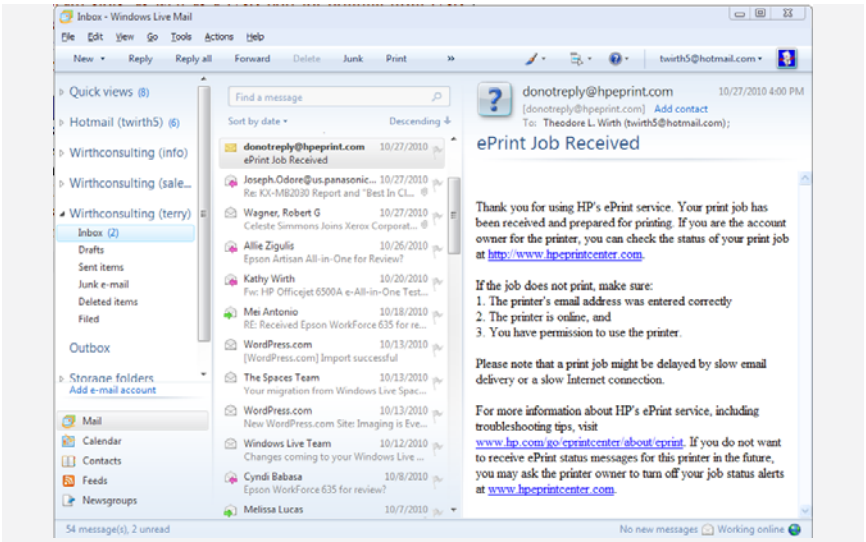
- Tested print productivity of up to 16.01 (black)/9.60 (color) ppm in normal mode, virtually matching (and in one case exceeding) HP's rated normal print speed of 15/11 ppm.
- With ePrint, print from any device capable of sending an e-mail message without having to download print drivers, connect to the device, etc. (see next section, *ePrint*, below).
- Print Apps enable users to print Web content directly from the touch screen without having to use their PC and launch a print driver (see *Print Apps* below).
- Standard wireless and wired Ethernet network connectivity, as well as two ports for printing from memory cards, and one port for printing from USB flash memory drives that is also PictBridge-compatible (print from PictBridge-compatible digital cameras). Wireless connectivity is especially convenient as it enables sharing among users without cables.
- Broad client and network operating support, plus optional HP Jetdirect servers.

LIMITATIONS

- None.

ePRINT

ePrint enables the Officejet Pro 8500A Series (and other HP ePrint-enabled printers and All-in-Ones) to print from any device capable of sending an e-mail. The Officejet Pro 8500A must be connected to a network with Internet access, and these file types can be printed: Microsoft Office Word and PowerPoint files, standard Adobe PDFs, TXT files, and JPEG, Bitmap, png, TIFF and GIF images.


Inbox - Windows Live Mail
ePrint Job Received
donotreply@hpeprint.com
Thank you for using HP's ePrint service. Your print job has been received and prepared for printing. If you are the account owner for the printer, you can check the status of your print job at http://www.hpeprintcenter.com.
If the job does not print, make sure:
1. The printer's email address was entered correctly
2. The printer is online, and
3. You have permission to use the printer.
Please note that a print job might be delayed by slow email delivery or a slow Internet connection.
For more information about HP's ePrint service, including troubleshooting tips, visit www.hp.com/go/eprintcenter/about/eprint. If you do not want to receive ePrint status messages for this printer in the future, you may ask the printer owner to turn off your job status alerts at www.hpeprintcenter.com.

HP's ePrint e-mail server sends you a confirmation e-mail once an e-mail with attachment has been received. To send a job, just send an e-mail from any e-mail-capable device to your Officejet Pro 8500A's unique e-mail address, attaching the print file.

STRENGTHS

- Mobile printing with ePrint—as long as you've got an Internet connection and a device capable of sending an e-mail, you can send a print job from virtually anywhere. Additionally, there's no need to download print drivers or software.
- Files sent with ePrint and printed by the Officejet 8500A were accurately rendered.
- Setting up ePrint was quick and easy, and took less than 10 minutes.
- Good permissions capability, as users can allow only specified e-mail addresses to print to their system, and can also easily re-set their printer's e-mail address, as well as disable/enable ePrint.
- The Officejet Pro 8500A Series is also compatible with Apple's new AirPrint software built into Apple iOS 4.2 devices. With AirPrint, which will be enabled in fall 2010, printers on local networks are automatically located, and users can print wirelessly to them from iOS 4.2 Apple iPod, iPhone and iPad touch devices without having to install print drivers or download software.

LIMITATIONS

- None.

The chart below displays a sampling of print jobs Wirth Consulting sent to the Officejet Pro 8500A using ePrint and the time it took for the Officejet Pro 8500A to begin printing the job, and total job time. Print files were sent using a Palm Pre, Apple iPad, Apple iPod Touch, and Microsoft Windows PC.

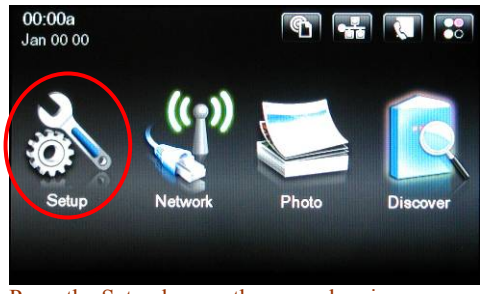
TESTED ePRINT RECEIVED JOB TIMES

Test Document	File Size (MB)	Time To Wake Up* (seconds)	Receive and Begin Printing Time (seconds)	Total Job Time**
1-page Adobe Acrobat (Color)	0.102	13.09	18.92	32.01
1-page Acrobat (Black)	0.118	13.41	18.54	31.95
1-page Microsoft Word (Text)	0.039	14.51	11.78	26.29
1-page Microsoft Word PowerPoint	0.119	18.55	16.47	35.02
4"x6" Color Photo JPEG	3.17	54.50	75.95	130.45
5"x7" Color Photo JPEG	4.03	74.40	96.01	170.41
10-Page Acrobat (Color)	0.56	22.0	116.73	138.93

*Time from when we selected "Send" for the e-mail to when the printer began receiving the ePrint file.
**Time from selecting "Send" e-mail to completed print job.

NOTE: As with all e-mail servers, there is a limitation on the size of the file and the number of attached files. Files can be no larger than 5 MB, and no more than 10 attached files can be printed per e-mail sent. Keep in mind that the time it takes for an Officejet Pro 8500A to receive and begin printing a file depends on the speed of the user's Internet connection. Slow e-mail delivery or a slow Internet connection can delay when the Officejet Pro 8500A receives the file and begins printing.

Setting Up And Using ePrint



Press the Setup key on the second main screen.

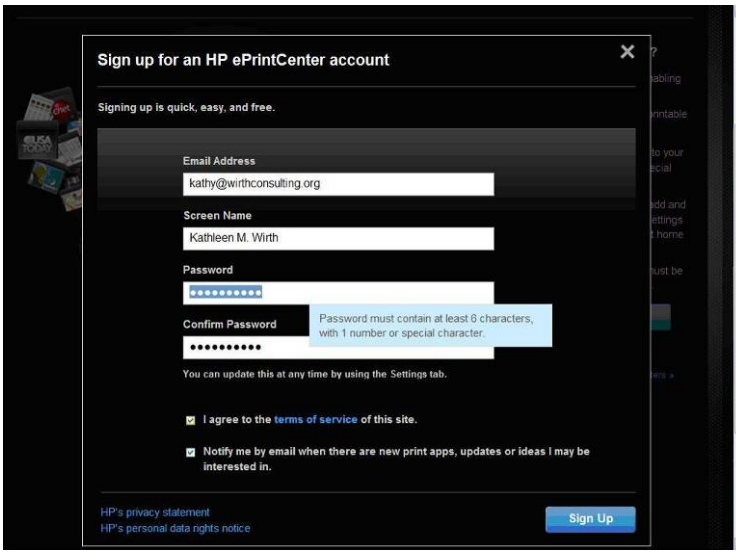
Web Services
Accept Terms of Use and Enable Web Services?
For detailed information, refer to the Getting Started Guide provided in the box with the printer.

Press the Web Services Setup key, and then agree to enable Web services.

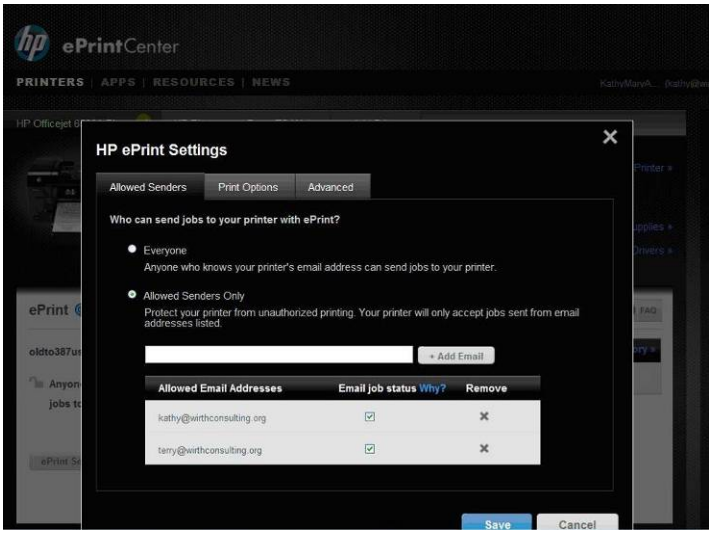
A Web services page will be printed…

Welcome to Web-Enabled, Mobile Printing from HP
Print anywhere, anytime...
even on the go.
Unlock the Power
It's quick, easy, and free!
1. Visit and sign up: www.hp.com/go/ePrintCenter/add
2. Select Add Printer and enter this code:
3. Create an "Allowed Senders List" to manage access to your printer and to set options for senders.
ePrintCenter
ePrint
Print Apps
@hpeprint.com

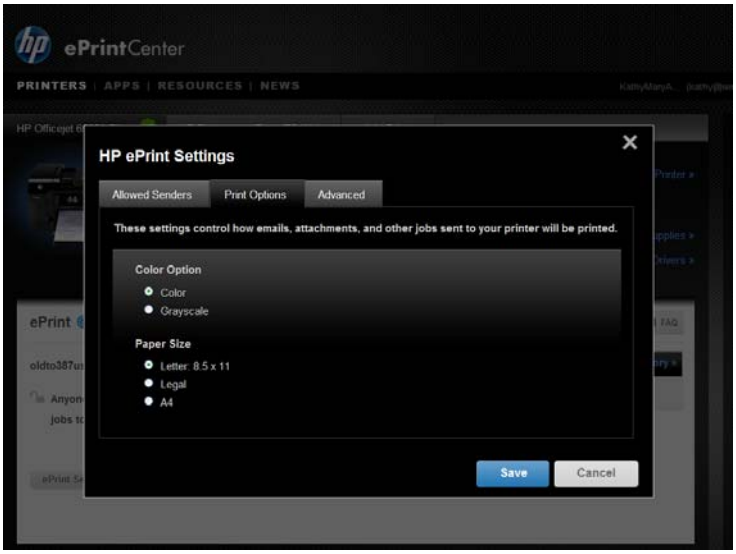
The Officejet Pro 8500A prints a Web services information page shown above. This page directs you to go to HP's ePrint Web site; it also identifies your printer's unique e-mail address (circled in red above—we've blocked it out above).


Sign up for an HP ePrintCenter account
Signing up is quick, easy, and free.
Email Address
kathy@wirthconsulting.org
Screen Name
Kathleen M. Wirth
Password
Confirm Password
Password must contain at least 6 characters, with 1 number or special character.
You can update this at any time by using the Settings tab.
I agree to the terms of service of this site.
Notify me by email when there are new print apps, updates or ideas I may be interested in.
HP's privacy statement
HP's personal data rights notice
Sign Up

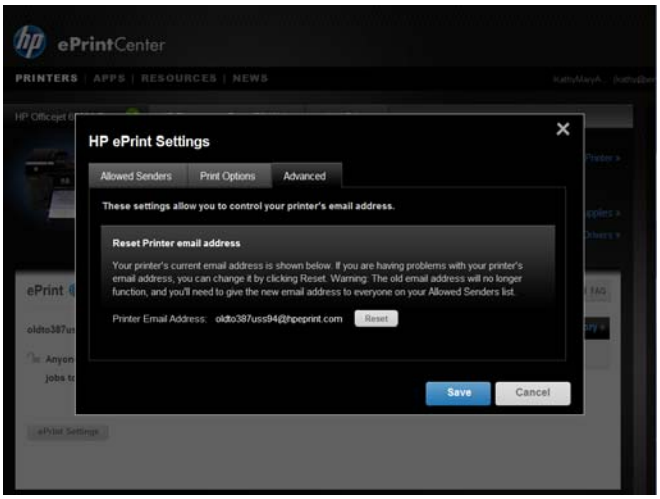
Once at the ePrint Web site (www.hpeprint.com), set up an account (enter a user name, your e-mail address, and a password). After selecting "Add Your Printer," enter the code printed on the page just printed.



If you'd like, you can specify that only certain users can print to your printer by entering their e-mail addresses here. You can add and remove allowed e-mail addresses at any time.



Specify default print settings—color or grayscale, and paper settings. Your e-mailed print jobs will be printed using these settings.


ePrintCenter
PRINTERS | APPS | RESOURCES | NEWS
HP ePrint Settings
Allowed Senders
Print Options
Advanced
These settings allow you to control your printer's email address.
Reset Printer email address
Your printer's current email address is shown below. If you are having problems with your printer's email address, you can change it by clicking Reset. Warning: The old email address will no longer function, and you'll need to give the new email address to everyone on your Allowed Senders list.
Printer Email Address:
Reset
Save
Cancel

If ever the need arises, it's easy to change your Officejet's e-mail address at the HPeprint.com Web site.

PRINT APPS

Print Apps enable users to access and print Web content directly from the Officejet Pro 8500's touch screen. Approximately 15 Print Apps are pre-installed; you can obtain more apps from the ePrint Web site. We had no difficulty using Print Apps, or adding or removing them from HP's ePrint Web site.

Currently available business-oriented and personal-use Prints Apps include Portfolio.com (access and print business news) and Quick Forms (print fax cover sheets, calendars, graph paper, etc.).

With the forthcoming Google Docs app, users will be able to directly print their files stored with Google Docs from the Officejet Pro 8500A's touch screen—skipping the steps of launching a Web browser and initiating print at their PC. They'll also be able to work in "reverse"—by using their Officejet's scan capability to scan hardcopy documents to their Google Docs space. A similar Box.net app for scanning, sharing, and managing stored online documents will also be available. Two other business apps will include DocStoc and Biztree apps that will provide access to and direct printing of business forms such as invoices, contracts, receipts, legal agreements, and checklists.

Also available will be a Marketsplash.com app—Marketsplash.com is an HP Web site that provides free templates for creating logos, flyers, brochures, etc. With Marketsplash's free templates, users don't require experience with graphic-arts or desktop-publishing software; instead an online editing tool guides them through the process of customizing templates. The Marketsplash Print App provides a shortcut for accessing and printing finished designs directly from the Officejet Pro 8500A's touch screen.

Select Apps on the right on the main screen to access Print Apps.

HP has pre-installed some 15 Print Apps accessible at the touch screen. To obtain more Print Apps, or delete installed Print Apps, visit hpeprint.com.

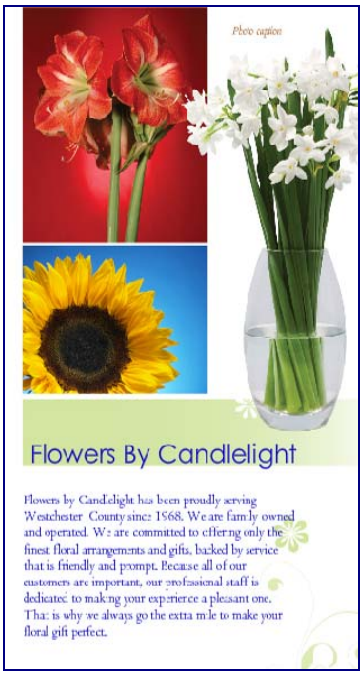


Photo caption
Flowers By Candlelight
Flowers by Candlelight has been proudly serving Westchester County since 1968. We are family owned and operated. We are committed to offering only the finest floral arrangements and gifts, backed by service that is friendly and prompt. Because all of our customers are important, our professional staff is dedicated to making your experience a pleasant one. That is why we always go the extra mile to make your floral gift perfect.

Spectacular Fine Arts Show
Join us November 5th from 7 to 9 p.m. for an evening of unique fine arts. We are a full-service art-consulting firm, and are open year-round, located on Broadway in the heart of the unique Saratoga Springs district and home of the historic Saratoga Racetrack Admission is free.
RSVP 1+ (212) 123-4567 for your free admission pass.
Flora & Fauna
Flora & Fauna Fine Art Gallery
1234 Broadway
Saratoga Springs, NY 11111
+1 (212) 124-4678
kathleen@FineArt.org
FloraandFaunaArt.com

Left: Portion of a brochure created at HP's Marketsplash.com using a free template. *Right:* Flyer created with a free template. With the Marketsplash Print App, users will be able to quickly print these materials without having to use their PC. With this quick print-on-demand capability, they'll be eliminating having to store these documents in hardcopy form, as instead, they can print just the right number of copies on demand when needed.

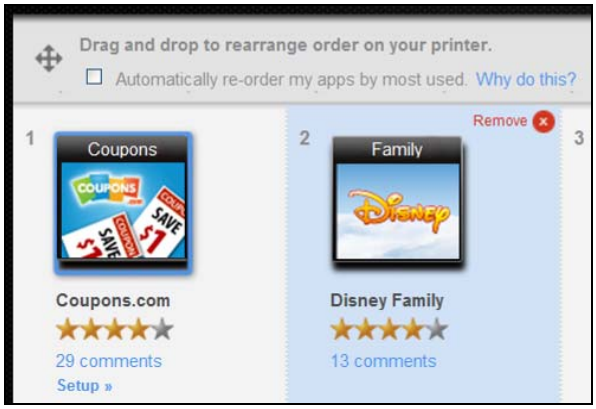
STRENGTHS

- Print Apps are very easy to manage, add and remove. We found it easy to just log into our account, and then remove or install Apps. Using them is also straightforward and easy.
- An interesting range of Print Apps are provided, from business to personal use. Many business users will appreciate the Quick Forms app for printing business and personal-use forms, while the Google Docs app will provide fast print-on-demand capability from the touch screen without having to launch a Web browser and print driver from the PC. A forthcoming Box.net Print App will provide similar capabilities. A Marketsplash.com Print App will also add similar print-on-demand capability directly from the touch screen.
- Print Apps also include an entertaining selection of personal-use apps, from Tabbloid, to apps for accessing and printing coupons and recipes, as well as Apps for children's activities and crafts.

LIMITATIONS

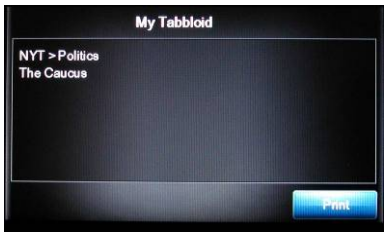
- None—Wirth Consulting had no difficulty managing and using Print Apps—they're simple to manage and use.

Print business news from Portfolio.com, and print fax cover sheets, calendars, graph paper, check lists, etc. with the Quick Forms app. For personal use, there's PBS activities for children, recipes, puzzles, and Tabbloid (see next page for more on Tabbloid).

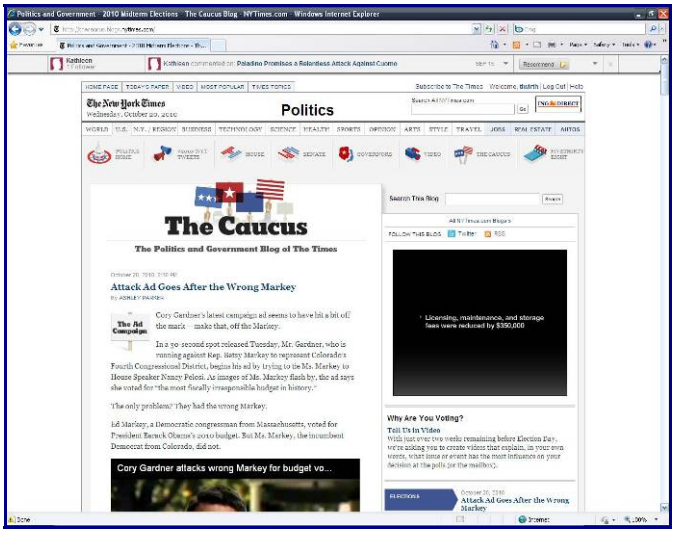


Removing and adding Print Apps is easy at the hpeprint.com Web site. After logging in with your user name and password, your installed Print Apps are displayed. Just select an App and then select "Remove" to un-install it. You'll also see any new or un-installed Apps that you simply select to install.

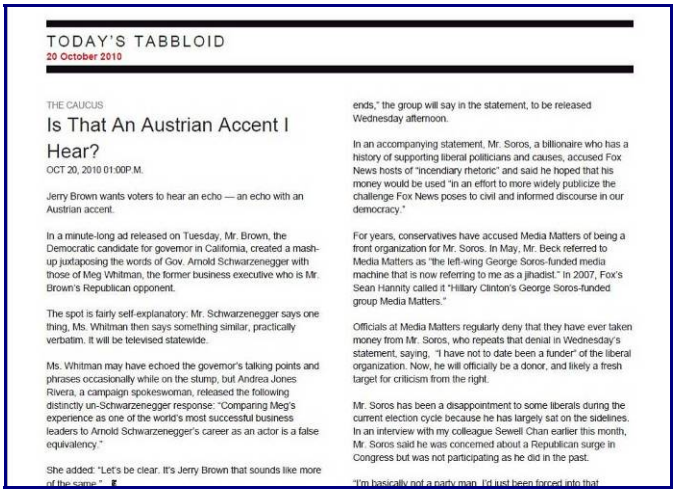
The HP Crafts Print App provides interesting model-making projects for children.



The Tabbloid Print App (essentially a Web-blog aggregator) enables you to print Web blogs in a concise, two-column format. There are a number of categories to choose from (technology, business, sports, etc.). You can also add other blogs that might appeal to you.


The New York Times
Politics
The Caucus
The Politics and Government Blog of The Times
Attack Ad Goes After the Wrong Markey
Cory Gardner attacks wrong Markey for budget vo...

Above is a *New York Times* politics blog as it appears on the newspaper's Web site—clearly it would be a nightmare to print, with pages filled with blank spaces and links.


TODAY'S TABBLOID
20 October 2010

THE CAUCUS

Is That An Austrian Accent I Hear?

OCT 20, 2010 01:00P.M.

Jerry Brown wants voters to hear an echo — an echo with an Austrian accent.

In a minute-long ad released on Tuesday, Mr. Brown, the Democratic candidate for governor in California, created a mash-up juxtaposing the words of Gov. Arnold Schwarzenegger with those of Meg Whitman, the former business executive who is Mr. Brown's Republican opponent.

The spot is fairly self-explanatory: Mr. Schwarzenegger says one thing, Ms. Whitman then says something similar, practically verbatim. It will be televised statewide.

Ms. Whitman may have echoed the governor's talking points and phrases occasionally while on the stump, but Andrea Jones Rivera, a campaign spokeswoman, released the following distinctly un-Schwarzenegger response: "Comparing Meg's experience as one of the world's most successful business leaders to Arnold Schwarzenegger's career as an actor is a false equivalency."

She added: "Let's be clear. It's Jerry Brown that sounds like more of the same."

ends," the group will say in the statement, to be released Wednesday afternoon.

In an accompanying statement, Mr. Soros, a billionaire who has a history of supporting liberal politicians and causes, accused Fox News hosts of "incendiary rhetoric" and said he hoped that his money would be used "in an effort to more widely publicize the challenge Fox News poses to civil and informed discourse in our democracy."

For years, conservatives have accused Media Matters of being a front organization for Mr. Soros. In May, Mr. Beck referred to Media Matters as "the left-wing George Soros-funded media machine that is now referring to me as a jihadist." In 2007, Fox's Sean Hannity called it "Hillary Clinton's George Soros-funded group Media Matters."

Officials at Media Matters regularly deny that they have ever taken money from Mr. Soros, who repeats that denial in Wednesday's statement, saying, "I have not to date been a funder" of the liberal organization. Now, he will officially be a donor, and likely a fresh target for criticism from the right.

Mr. Soros has been a disappointment to some liberals during the current election cycle because he has largely sat on the sidelines. In an interview with my colleague Sewell Chan earlier this month, Mr. Soros said he was concerned about a Republican surge in Congress but was not participating as he did in the past.

"I'm basically not a party man. I'd just been forced into that

Above is a portion of the same *New York Times* blog that we added at hpeprint.com. It's now neatly organized into a two-column format with blank spaces and unnecessary elements eliminated. It's also now saved as a custom blog displayed on the touch screen for easy access and printing (see *above*, *right*), and is updated daily.

COPY

With the Officejet Pro 8500A Plus and Premium, copying is via a 50-sheet duplexing automatic document feeder and a letter-/legal-size flatbed platen, and is in both monochrome black and full-color. (Note that the base configuration Officejet Pro 8500A is equipped with a 35-sheet simplex automatic document feeder and letter-/A4-size flatbed platen.)

STRENGTHS

- 50-sheet automatic document feeder for fast scanning of multi-page documents.
- Duplexing automatic document feeder scans both sides of two-sided originals, eliminating having to manually copy two-sided originals using the flatbed platen.
- Duplex copy printing—copy one-sided originals into two-sided format, saving paper.
- Provides most frequently used copy features, including collate, image modes (text, photo or mixed), reduction and enlargement (25-400%), make up to 99 copies in a single operation, etc. Documents can be reduced or enlarged by entering a ratio using the numeric keypad—there's no need to repeatedly press a "plus" key to enter the number of copies. Preset reduction and enlargement ratios are also available, including letter-to-legal and legal-to-letter size.
- Preview a scanned original on the color touch screen before producing copies. You can then make sure you've made the correct settings and that the document's been scanned correctly—ultimately reducing mistakes and wasted paper and ink.

Max. Copy Speed:	35/34 ppm
Normal Copy Speed:	15/11 ppm
Flatbed Scanner:	Yes
Auto Doc. Feeder:	50 sheets
Collation:	Yes
Max. Scan Size:	8.5"x14"*
Zoom:	25-400% (1% increments)
Duplexing Doc. Feeder:	Yes
Max. Resolution:	4800x1200 dpi

TESTED COPIER PERFORMANCE (NORMAL MODE FROM DOCUMENT FEEDER)*

Test Document	FPOT (sec.)	Job Time (sec.)	Print Speed PPM
Simplex Black	19.71	87.70	7.94
Simplex Color	25.38	122.99	5.53
Duplex Black 1-sided to 2-sided	47.89	149.48	5.32
Duplex Black 2-sided to 2-sided	38.36	171.56	4.05
Duplex Color 1-sided to 2-sided	50.21	190.89	3.84
Duplex Color 2-sided to 2-sided	43.28	177.13	3.59

- Very easy to use Copy Crop that enables you (using a floating frame and a preview of the page) to specify the portion of the image to be copied. It's a feature typically reserved for much more expensive office MFPs, and has been enhanced versus the previous Officejet 8500 so that it's easier to use.
- Copy Fix provides automatic straightening of skewed originals, a handy feature that worked great in testing. Copy Fix can also be used to removed unwanted black frames around copies; this also worked well in testing.
- With ID Copy, copy both sides of an ID card (such as driver's license) onto a single side of paper.

LIMITATIONS

- None.

The 50-sheet automatic document feeder scans both sides of two-sided documents and can be used to scan originals up to 8.5"x14".

(NORMAL MODE FROM PLATEN)*

Test Document	FPOT (sec.)	Job Time (sec.)	Print Speed PPM
Simplex Black	17.55	59.15	12.98
Simplex Color	18.58	87.05	7.89

NOTES:

*Copy productivity was tested using a 10-page test original composed of black and color text with 5% area coverage.

In duplex black mode, drying time for the first side of the page was approximately 15 seconds. In duplex color mode, drying time for the first side of the page was approximately 17.2 seconds. Drying time will depend on the amount of ink coverage.

The flatbed platen can also be used to scan originals up to 8.5"x14". With most competitors in this class, you scan legal-size originals via the document feeder. However, damaged or fragile originals can be further damaged when run through an automatic document feeder, thus requiring they be scanned using a flatbed platen instead.

SCAN

The Officejet Pro 8500A Series is equipped with monochrome black and full-color scanning. From the device, users can scan to network folders, e-mail addresses, memory cards, USB flash memory drives, and PCs, and there's a TWAIN driver for pull scanning from the PC. With the Embedded Web Server's Webscan utility, users can scan from their PCs without having to install software.

From the touch screen, scan to memory devices, PCs, network folders, and e-mail addresses.

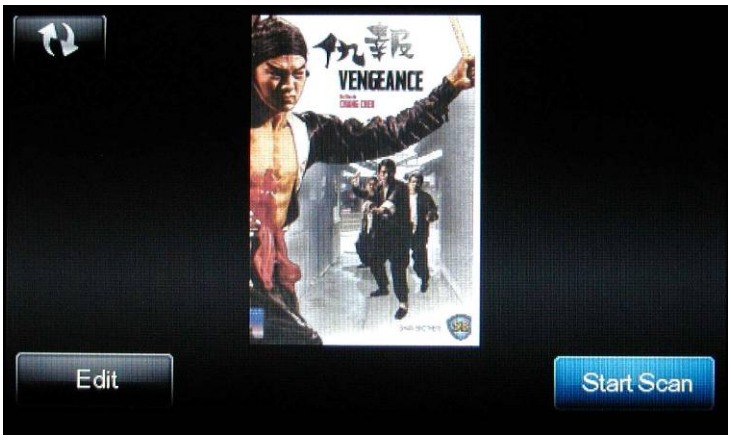
Scanner Type:	CIS	Scan to Net. Folder:	Yes
Color Scan:	Yes	Scan to IFax:	No
Flatbed Scanner:	Yes	Scan to FTP:	No
Resolution.:	4800x4800 dpi*	Scan to URL:	No
Scan to PC:	Yes	TWAIN Driver:	Yes
Memory Card Resolution:	600 dpi	QWERTY Keypad:	Yes
Scan to e-Mail from Device:	Yes		
Auto Doc. Feeder:	50 sheets		
Duplex Auto Doc Feeder:	Yes		
Max. Scan Size:	8.5"x14"		
Scan File Formats:	PDF, TIFF, JPEG		

*48-bit scan depth; software provides up to 24-bit scan depth.

TESTED SCAN PERFORMANCE (ADOBE PDF SCAN MODE)

Test Document	Scan Speed (sec.)	OPM
10-page original* simplex in black copy mode	134.22	4.47
5-page duplex original*	236.40	2.54

*Original consisting of 5% CYMK text coverage with equal amounts of CYMK.



The touch screen displays a preview of scanned images, so you can make sure they're been scanned correctly.

STRENGTHS

- Scan in full color, a capability not always provided in this segment, or even by some much higher-priced All-in-Ones and MFPs.
- Scan from the device directly to network folders for easier sharing among users, as well as scan from touch screen to e-mail addresses (no need to receive scanned files at your PC and then route them to network folders or e-mail addresses). Also scan to PCs, memory cards, and USB flash drives from the touch screen.
- Pull scanning from the PC using TWAIN scan driver or Webscan utility. With the Webscan utility, you can pull scan without having to load a TWAIN driver or software on your PC. This means that you have pull scanning access from any PC on the network.
- Security for scanning to network folders and to e-mail addresses. Scan-destination network folders can be PIN-protected, so that unauthorized users can't scan and send files to these folders. "From" e-mail addresses can also be PIN protected, so that users can't scan and send to an e-mail address with another user's name in the "From" field of the e-mail.
- Touch screen provides QWERTY-style keypad for entering e-mail addresses—this is much easier than using an alphanumeric keyboard as with some other systems.
- Readiris OCR software for converting scanned files into text-editable documents. Create text-searchable Adobe PDFs using HP software.

LIMITATIONS

- None—we observed no difficulties with either scanning from the touch screen, and no difficulty using the TWAIN driver, Webscan utility, or related software..

FAX

The Officejet Pro 8500A series is equipped with monochrome and full-color 33.6 kbps Super Group 3 walk fax and PC fax. Users can send and receive faxes from and to their Microsoft Windows' PCs and Apple Macs.

Fax Speed:	33.6 Kbps (3 sec.)	Color Fax:	Yes
Fax Receive Memory:	100 pages	Error Correction:	Yes
PC Fax:	Yes	Broadcasting:	Yes
Distinctive Ring.:	Yes	Speed Dial Keys:	110
Auto Redialing:	Yes	Junk Fax Barrier:	Yes*
Auto Fax Reduction:	Yes		

*Requires Caller ID.

STRENGTHS

- Color fax, which can be essential in order for recipients to decipher certain documents, such as documents containing color graphs.
- Good range of fax features, including 100 pages of fax memory, 110 speed-dial keys (including group speed-dial keys), Junk Fax Blocker, delayed sending (black faxes only), fax forwarding (black faxes only), and duplex received faxes (print received

The Officejet Pro 8500A Premium e-All-in-One as tested by Wirth Consulting.

faxes on both sides of paper to conserve paper).
- Send electronic files as faxes from Microsoft Windows PCs and Apple Macs with PC fax.
- Digital fax—instead of having the Officejet Pro 8500A automatically print received faxes, specify that received faxes not be printed, and instead routed to a folder on your Windows or Mac PC, or to a network folder. This saves paper, and also eliminates having to store received hardcopy faxes. Alternately, you can automatically have faxes routed to an e-mail address—so that, for instance, you never have to miss an important fax while out of the office or on the road.

LIMITATIONS
- None.

EASE OF USE

The Officejet Pro 8500A Plus and Premium configurations incorporate an attractive new control panel that has a glossy finish and 4.3" touch screen—there are no hard keys at all. (Note that the base configuration incorporates a 2.3" color touch screen.)

When using the menu system, two tools make it very easy to navigate: a home icon (circled in red) returns you to the main home screen, while a u-turn icon (circled in blue) enables you to take a step back in the menu system.

Help topics (accessed by pressing the ? key in the upper right) include animated clips that show how to perform common tasks such as loading envelops, as well as explanations of features, so you won't have to dig out a user guide or consult one online.

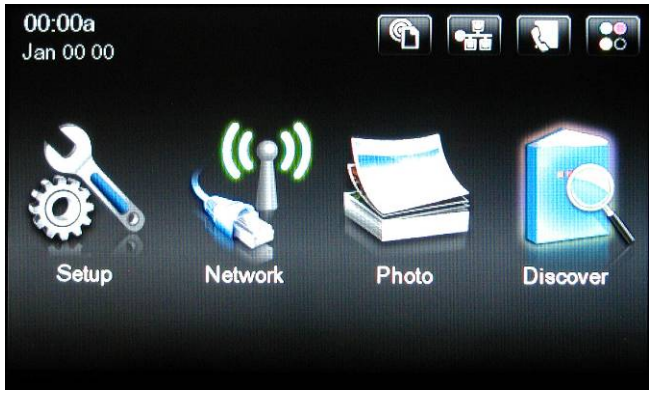
STRENGTHS
- New touch screen makes the system exceptionally easy to use, and among the easiest to use touch screens we've used. It took us less than 10 minutes to become familiarized with all menu systems. One way navigation is made much easier is that only the settings you need for the current task are shown—for instance, fax menus are shown only when you're in fax mode.
- Large, on-screen QWERTY-style keyboard for entering file names, e-mail addresses, etc.
- Whenever you're unsure what a feature is, or how to perform a task, just press the ? key in the upper right, and a description or instructions are provided. This is much easier than having to consult and search through either hardcopy or software user guides. Whenever we were uncertain what a feature meant, help was provided so that we didn't have to search the user guide.
- When copying and scanning, users can preview scanned images and documents on the touch screen (photos downloaded from memory cards/drives are also displayed). This makes it easy for users to make sure their documents have been scanned with correct settings applied before printing copies or sending to scan destinations.

LIMITATIONS
- None.

The entire control panel can be tilted for easier viewing.

TOUCH-SCREEN FEATURE SELECTION

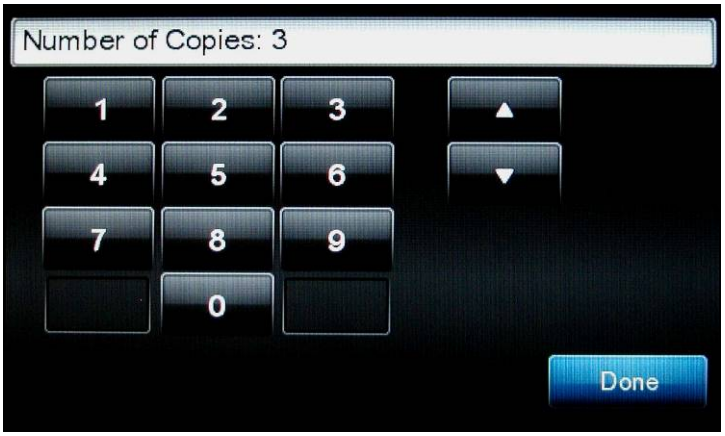
The main touch screen displays keys for copy, fax, scan and Print Apps. Help can be accessed at any time by pressing the ? key in the upper right (not shown above). Just swipe and scroll to access the second screen…



The second screen includes Setup (set up wireless connectivity, fax, device defaults, etc), Network, Photo (print photos from memory cards and drives, format photos for use in photo albums, etc.) and Discover (tips and facts about the Officejet 8500A Pro).

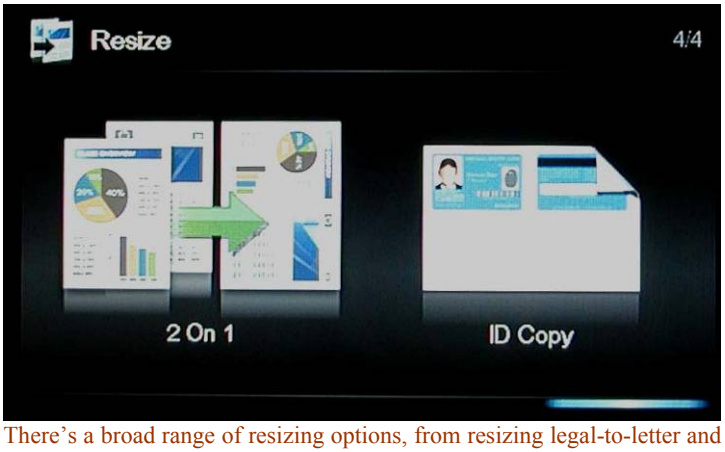
COPY MENU

The copy menu is easy to use and illustrated with graphics so you know exactly what kind of settings you're making. To enter the number of copies, press either the forward or back keys circled in blue, or press the graphic in the upper (circled in red) …to launch the numeric keypad...



..and enter the number of copies (up to 99). With some competitive systems, you can only enter the number of copies by pressing arrows—which can be an inconvenience when you have to specify a large number of copies.

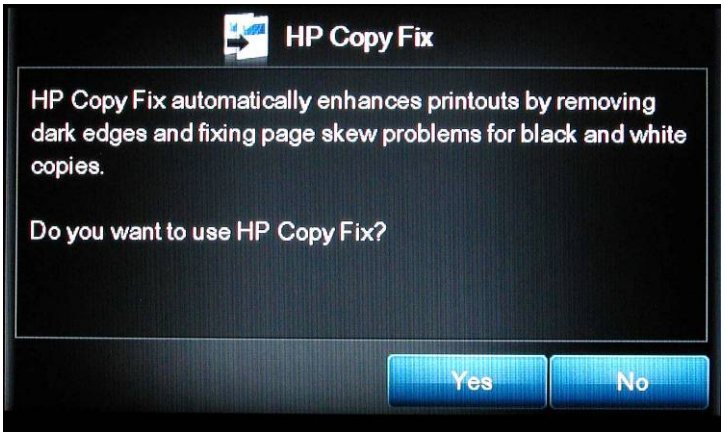
The Two-Sided option launches this screen… the Officejet Pro 8500A has a duplexing automatic document feeder so it scans both sides of originals, and automatic duplex printing, so both sides of two-sided originals can be scanned and then two-sided copies printed.



There's a broad range of resizing options, from resizing legal-to-letter and vice-versa, to custom resizing (enlarge or reduce from 25-400%), to printing two pages on a single sheet (2 On 1), and printing both sides of an ID card on a single sheet.

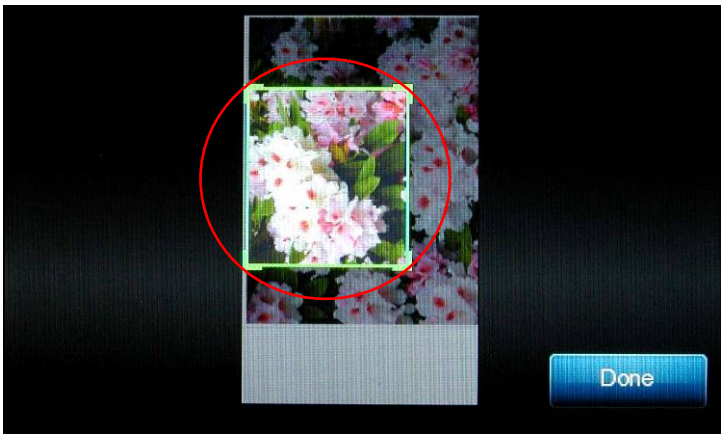
Copy Fix provides automatic straightening of misaligned originals and removal of frames around copies. Also provided are three image-quality modes (Best/Normal/Draft), Lighter/Darker, Paper Size (Letter, Legal and Photo sizes), Paper Type, Two-Sided (copies), Collate…

…Margin Shift (for instance, to provide room for binding), Crop (crop a portion of the image), and Enhancements (Text/Photo/Mixed).

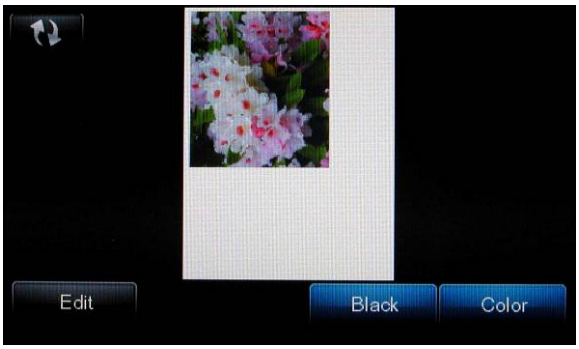

HP Copy Fix
HP Copy Fix automatically enhances printouts by removing dark edges and fixing page skew problems for black and white copies.
Do you want to use HP Copy Fix?
Yes
No

We deliberately placed an original on the platen so that it was skewed. The system automatically straightened it when we selected Copy Fix. Copy Fix also removed borders from a copy of a page in a book.

The touch screen provides a preview of the image before the system begins printing copies, and after you've made settings, so that for instance, with the image above, we can make sure that we've applied the correct settings.



With Copy Crop, we can also crop the image so that only part of it is printed. Just use your finger tip to resize and float the frame (circled in red) to the area you want to be printed (pull the corners of the frame to reduce or enlarge the area).



The image is then displayed as it will appear when printed—just this portion will be printed. Press Black or Color to print copies.

FAX MENU

To fax, enter the destination fax number using the keypad, or press the icon in the upper right circled in red to access a speed-dial number that you've assigned to either a single fax number, or to multiple fax numbers (group speed-dial key). You can just press Black or Copy to then send the fax, or press Settings or Other Methods (circled in blue) for more options.

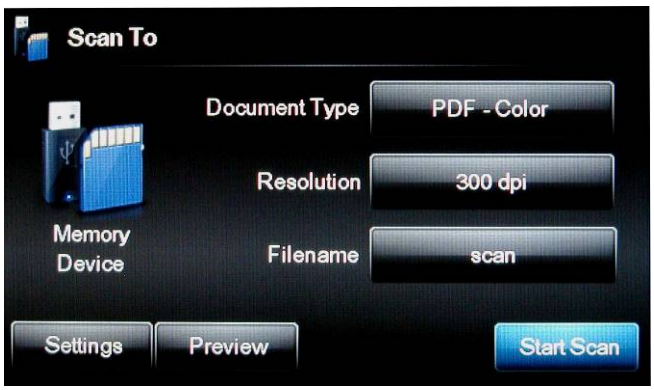
In the Settings menu, adjust resolution, lightness/darkness, etc. If you're ever uncertain about a setting or feature, press the ? key in the upper right, and the touch screen displays an explanation, so you don't have to consult the user manual.

Other methods include Scan and Fax to save time (scan each page and then fax, instead of scanning and faxing each individual page), broadcast fax (enter multiple fax-destination numbers), etc. Press the ? key to obtain more information on these and other topics.

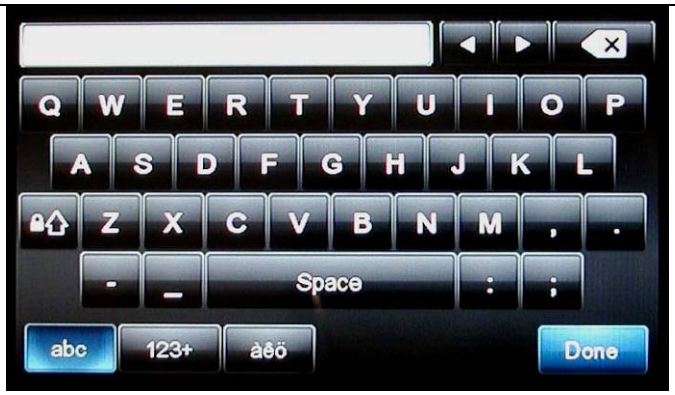
You can specify speed-dial keys at the touch screen or using HP software. When setting up fax, HP's faxback service can be used to confirm that your fax is working properly. Simply send a black-and-white fax to the HP faxback-service number listed above, and within about five minutes, HP will send a fax back to you confirming that your fax is working.

SCAN MENU

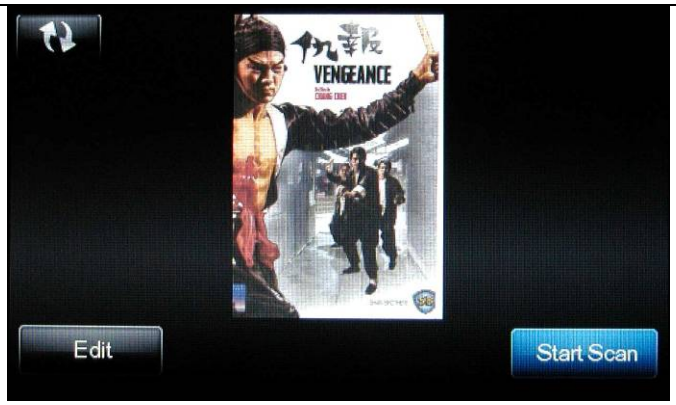
Scan to memory devices (ports are located on the front panel), PCs, network folders, and e-mail addresses.



You can simply accept the displayed default settings, and press Start Scan. You can also specify the file format (PDF, JPEG, TIFF), specify lighter/darker, resolution, etc.



A nice convenience is the ability to name scanned files via a QWERTY-style keypad—this will make them much easier to find later. It also makes entering e-mail addresses easy.

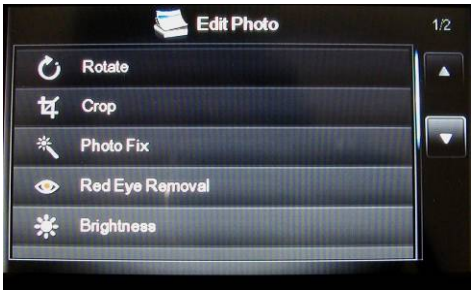


Preview the scanned image to make sure you've applied the correct settings, and then press Start Scan.

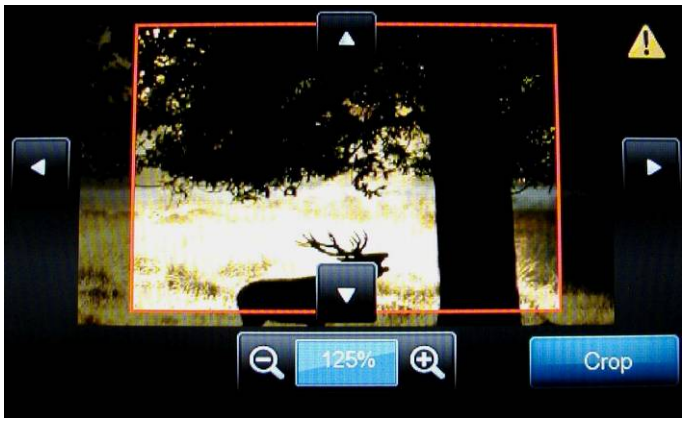
PHOTO MENU

The Photo menu provides options for: View and Print (print photos stored on a a memory card or USB drive), and Create (print photos formatted for a photo album, for use as a passport photo, or for use as wallet photos). Reprint is for making copies of photos.

We inserted a memory card containing 27 photos; the system correctly found all photos…. Select a photo by pressing it.



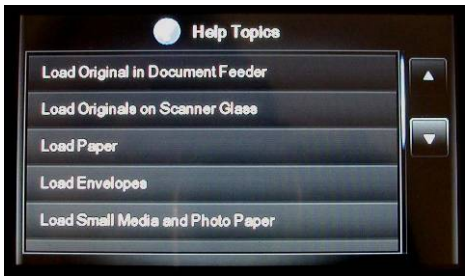
Select Edit, and you can crop the image so that only a portion of it is printed. You can also specify the paper size, adjust lightness/darkness, convert the photo into black-and-white, convert it to display an antique affect, etc. With Red Eye Removal, remove the unwanted red-eye effect displayed in photos of people.



The crop feature has been redesigned and is really easy to use by pressing the arrows to float the frame.

Only this area of the photo—the deer—will be printed.

HELP MENU



The Help menu provides information on features and functions, as well as animated clips for performing tasks. Once you select a task, such as loading envelopes, the touch screen launches an animated clip that shows how to perform the task. Typically, such clips and instructions are only available in an online user's guide located on the user's computer workstation. In contrast, clips at the touch screen eliminate having to go back to your PC and find help.

This clip demonstrates how to replace an ink cartrdige, from showing where the cartridges should be installed …

…to sliding out the ink cartridge…

A similar clip shows how to load envelopes.

SETUP MENU

With the Setup Menu, you can set up and configure fax, as well as scan to e-mail and network scanning (Digital Solutions Setup). These tasks can also be performed upon initial installation using the HP client software at the PC, which we recommend. The Web Services Setup menu enables you to set up ePrint; you'll also be able to print your Officjet's e-mail address, as well as enable or disable ePrint and/or Print Apps. There's also options for performing periodic maintenance (such as aligning the print heads) in the Tools menu.

The Network Menu provides tools for setting up wired and wireless networking—again, we found it easer to perform these tasks at the PC.

PRINT AND FAX DRIVERS

The Officejet Pro 8500A Series is equipped with a PCL 3 GUI print driver and PC fax driver.

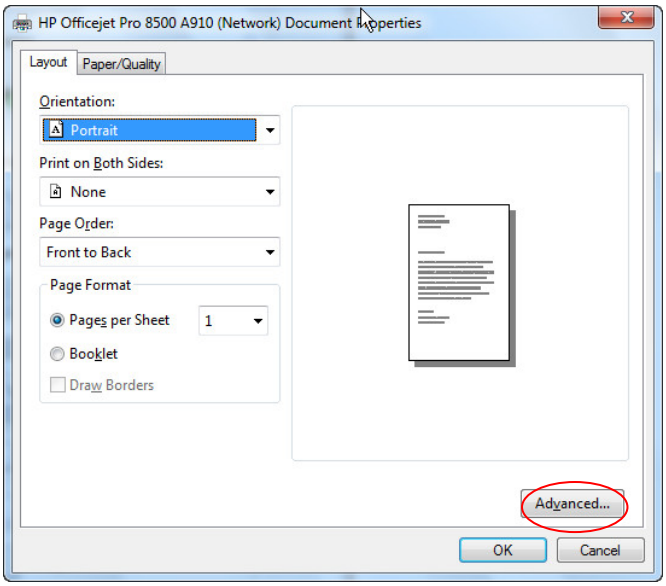
STRENGTHS

- A new print driver consists of two tabs for exceptionally easy navigation. .
- Straightforward, easy-to-use PC fax driver.

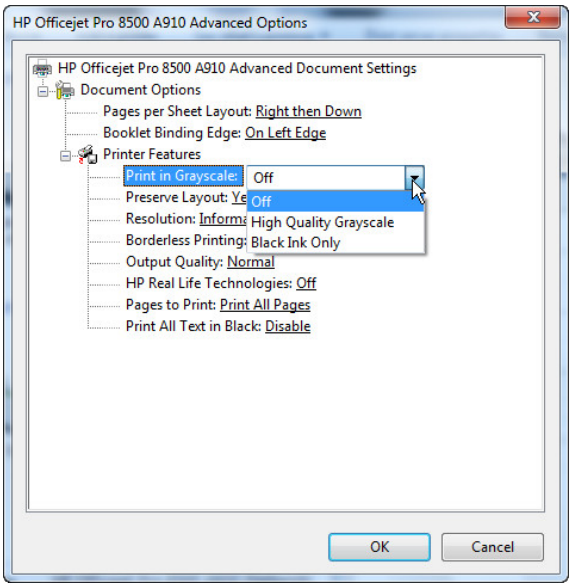
LIMITATIONS

- None.

PCL 3 GUI PRINT DRIVER

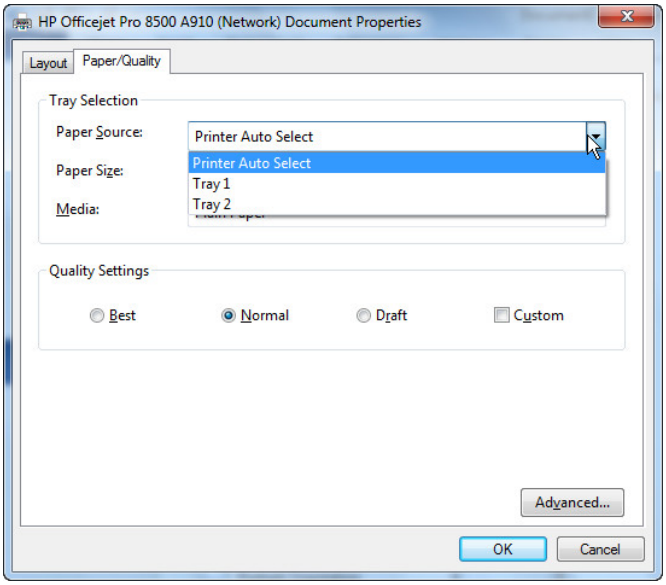


The new print driver's first tab displays most frequently used print settings—portrait/landscape, automatic duplexing, collating, and N-Up printing (print multiple pages on a single sheet). Select Advanced for more settings.

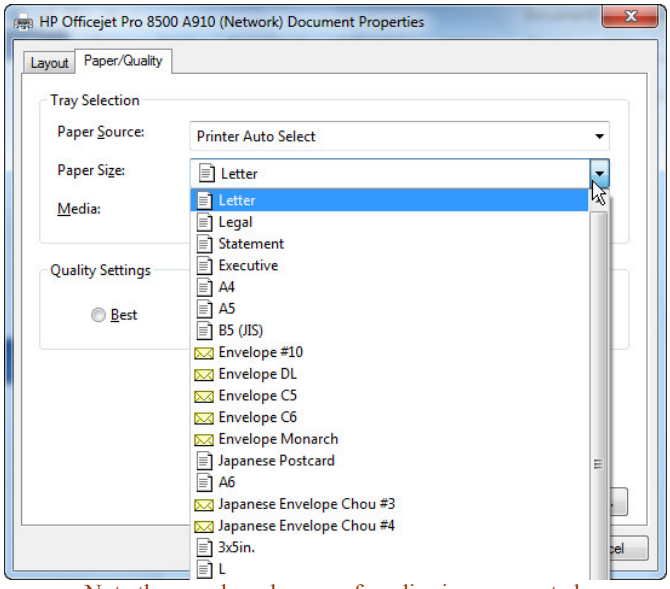


Note that you can specify that grayscale be printed using black ink only. With some other ink-jet systems, you can't prevent the system from using a mixture of cyan, yellow, and magenta to print black shades.

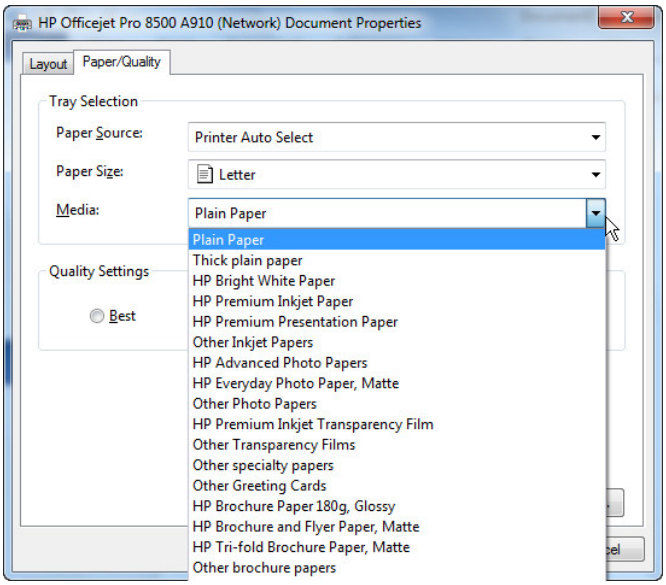
.



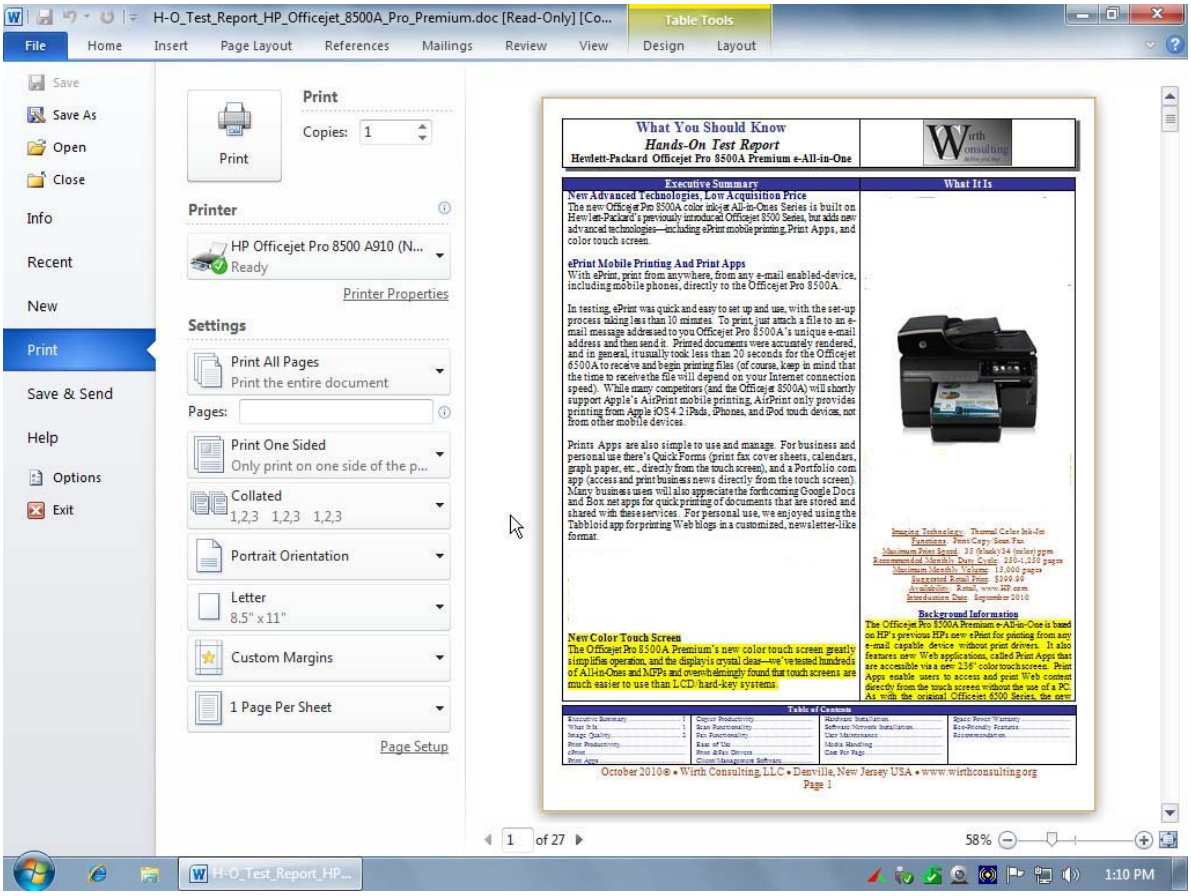
Specify the paper source (drawer), paper size, and print-quality mode, on the second tab



Note the very broad range of media sizes supported.

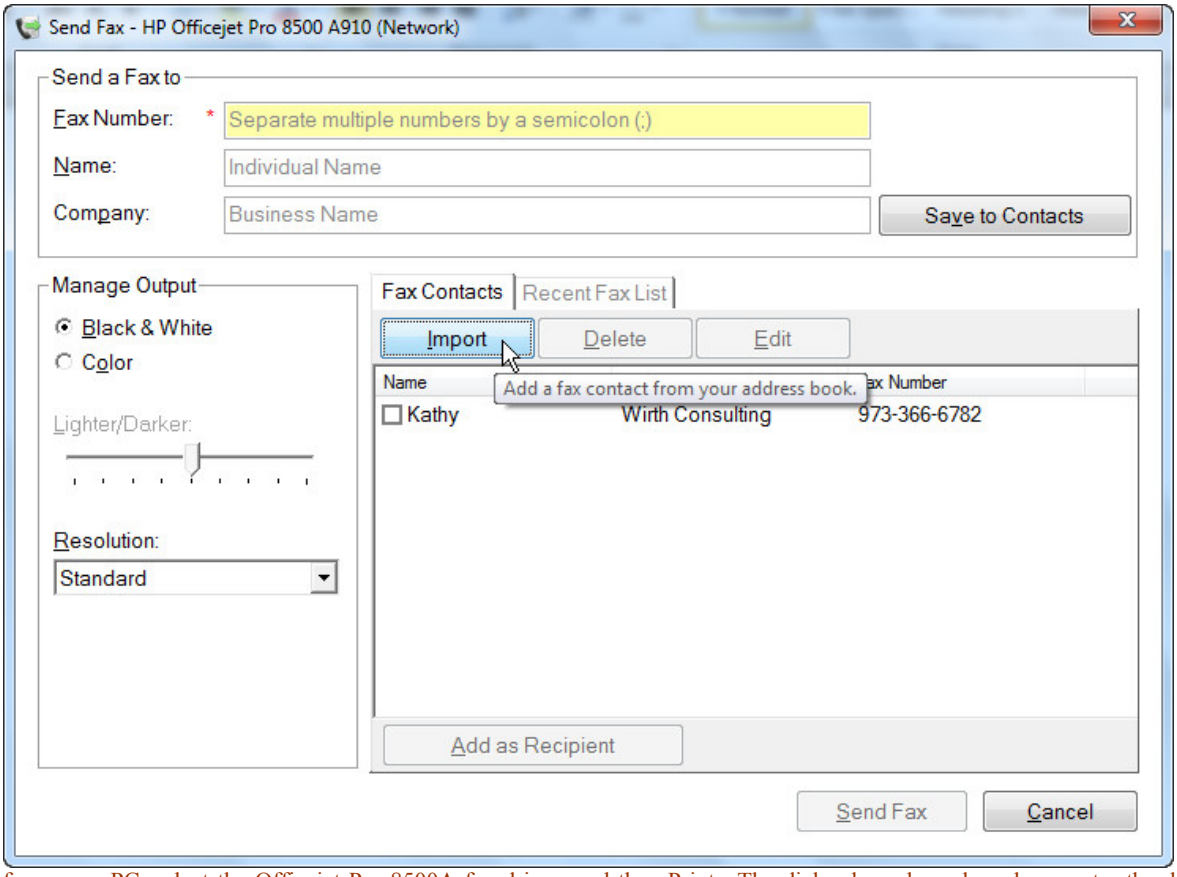


There's also a broad range of media types supported—the printer adjusts to provide best image quality based on the media type selected, from plain paper, to photo papers, to transparency film, glossy stock, etc

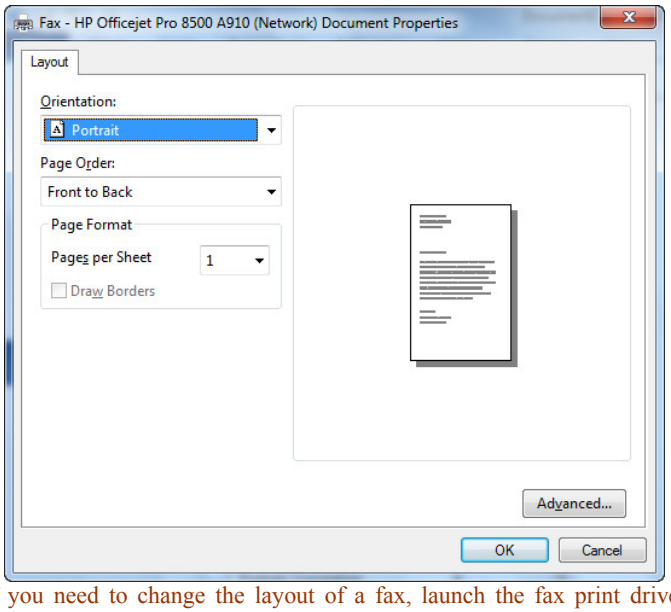


With Microsoft's Office 2010, this dialogue box enables you to specify common print settings that formerly required selection in the separate print "properties" dialog in earlier versions; it also provides a print preview in the right panel

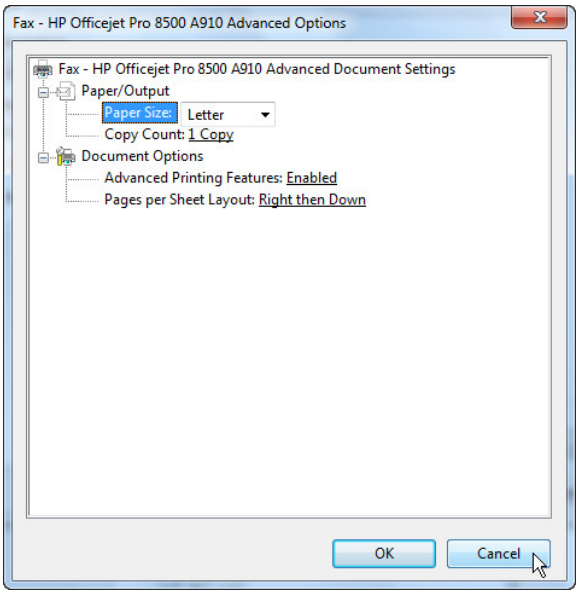
PC FAX DRIVER



To fax a file from your PC, select the Officejet Pro 8500A fax driver, and then Print. The dialog box above launches; enter the destination fax number, recipient's name, etc. Note that you can import this information from another source. New destinations can also be added to contacts. Once your destinations have been selected, click "Send Fax" to begin the fax send process.



If you need to change the layout of a fax, launch the fax print driver "properties" window. The first tab provides basic settings—portrait/ landscape orientation, page order, etc.


Fax - HP Officejet Pro 8500 A910 Advanced Options
Fax - HP Officejet Pro 8500 A910 Advanced Document Settings
Paper/Output
Paper Size: Letter
Copy Count: 1 Copy
Document Options
Advanced Printing Features: Enabled
Pages per Sheet Layout: Right then Down
OK
Cancel

Advanced settings include paper size, number of copies, etc.

CLIENT AND NETWORK DEVICE-MANAGEMENT SOFTWARE

The Officejet 8500A Series' client and network device-management software includes software for configuring and setting up scan, fax, wireless and wired networking, and for specifying printer defaults. There's also a utility for pull scanning from the computer workstation, utility for monitoring the device and supplies, help and support, and a full version of Readiris OCR software. Among other features, an Embedded Web Server (printer Web page) provides usage information, automatic e-mail alerts, and a Webscan utility for pull scanning from the PC.

STRENGTHS

- A new streamlined software console neatly consolidates software. The console's interface is user friendly and intuitive to use, and there's a limited amount of software to install and maintain on the PC.
- Easy streamlined setup of scanning to network folders, PCs, e-mail, etc.
- With Embedded Web Services or EWS (a printer Web page), configure automatic e-mail alerts, so that specified users are automatically alerted to status conditions requiring attention—for instance, a mismatched paper size, low ink, etc.
- With EWS, advanced usage information is available including the number of scans made, media sizes and types used, duplex prints produced, etc.

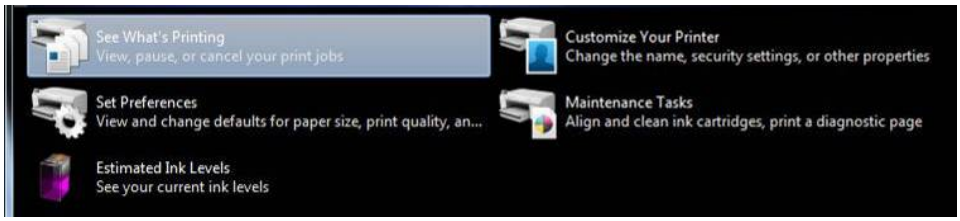
LIMITATIONS

- Overall, we found this next-generation control center very easy to use and access. However, it would be desirable if there was an option to automatically load the "activate scan to PC" option so that is would be automatically loaded for users who make frequent use of this feature.

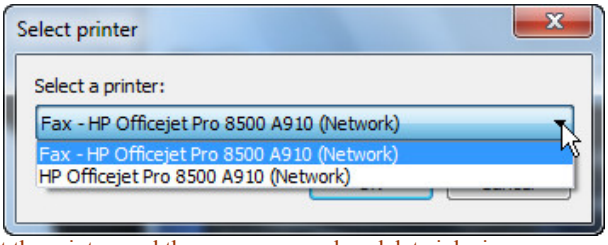
« Devices and Printers ▸ HP Officejet Pro 8500 A910 (Network) ▸
Search HP Officejet Pro 8500 A910 (Ne...
File Edit View Tools Help
HP Officejet Pro 8500 A910 (Network)
HP Officejet Pro 8500 A910
• 50% less cost per page than lasers
• 50% less energy use than lasers
Printer Actions
Change settings, defaults, and perform maintenance
Customize Your Printer | Estimated Ink Levels
Scanner Actions
Scan photos, documents, and more
Scan a Document or Photo | Scan to Network Folder Wiz...
Fax Actions
Setup fax, and manage fax settings
Fax Setup Wizard | Manage Fax Settings
Estimated Ink Levels
See your current ink levels
HP ePrintCenter*
The central place to manage your printing experience on...
Help and Support
Get detailed, easy-to-use help and updates
Search HP Help | Online Product Support
Shopping
Get great deals on cool HP and partner products
Shop For Supplies Online | HP Smart Deals Online
HP Eco Solutions Online
Get tips, tools, and other useful information
Marketsplash by HP*
Grow your business. Marketing material made easy!
*Privacy Disclosures
Learn what data may be transmitted by items marked wi...

This console, which is launched from the Microsoft Windows' Start menu (All Programs→HP→Officejet Pro 8500A), conveniently centralizes all software. It also provides quick links to: hpeprint.com, help and support, shopping for supplies, HP's Marketsplash.com Web site, and tips for more eco-friendly printing and device operation.

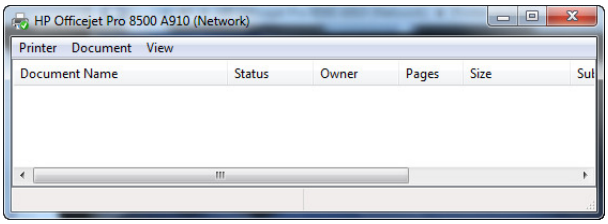
PRINTER ACTIONS


See What's Printing
View, pause, or cancel your print jobs
Customize Your Printer
Change the name, security settings, or other properties
Set Preferences
View and change defaults for paper size, print quality, an...
Maintenance Tasks
Align and clean ink cartridges, print a diagnostic page
Estimated Ink Levels
See your current ink levels

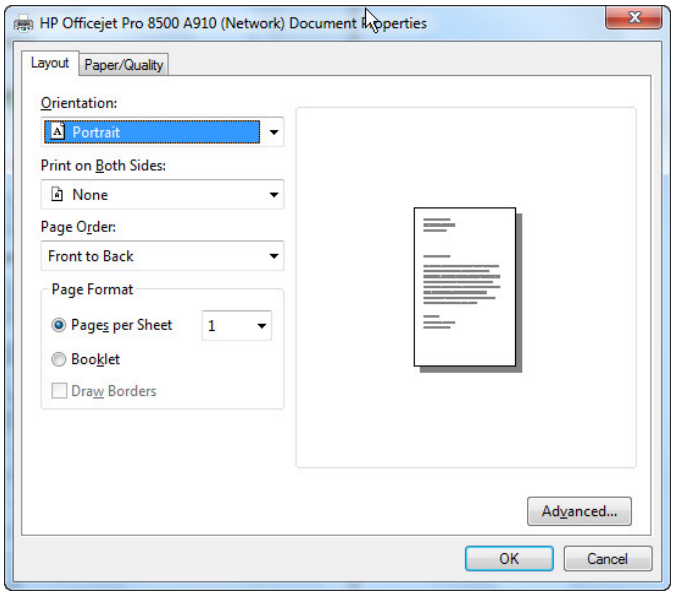
See What's Printing


Select printer
Select a printer:
Fax - HP Officejet Pro 8500 A910 (Network)
Fax - HP Officejet Pro 8500 A910 (Network)
HP Officejet Pro 8500 A910 (Network)

Select the printer, and then pause, cancel or delete jobs in queue.

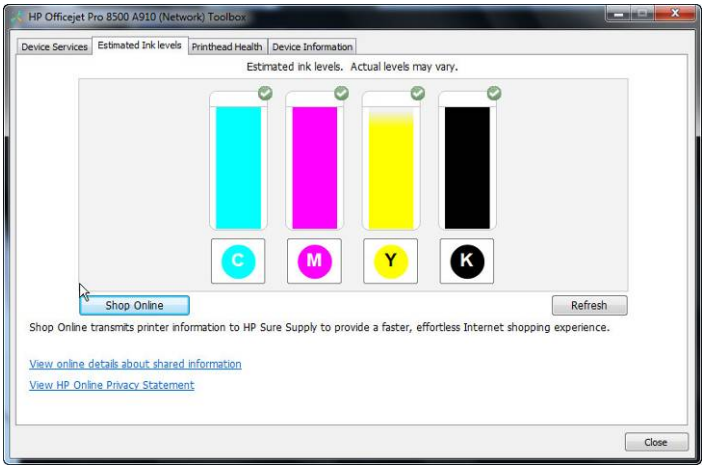


Customize Your Printer

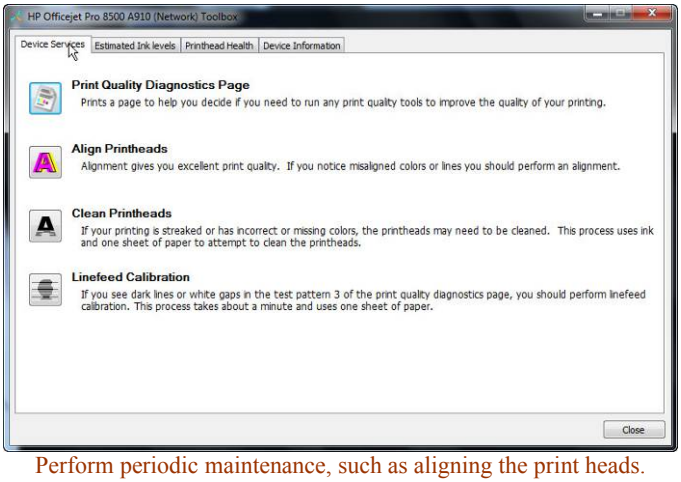


Opens Windows printing preferences from the Devices and Printers Folder, and specify printer default settings.

Estimated Ink Levels



Maintenance Tasks


HP Officejet Pro 8500 A910 (Network) Toolbox
Device Services
Estimated Ink levels
Printhead Health
Device Information
Print Quality Diagnostics Page
Prints a page to help you decide if you need to run any print quality tools to improve the quality of your printing.
Align Printheads
Alignment gives you excellent print quality. If you notice misaligned colors or lines you should perform an alignment.
Clean Printheads
If your printing is streaked or has incorrect or missing colors, the printheads may need to be cleaned. This process uses ink and one sheet of paper to attempt to clean the printheads.
Linefeed Calibration
If you see dark lines or white gaps in the test pattern 3 of the print quality diagnostics page, you should perform linefeed calibration. This process takes about a minute and uses one sheet of paper.
Close

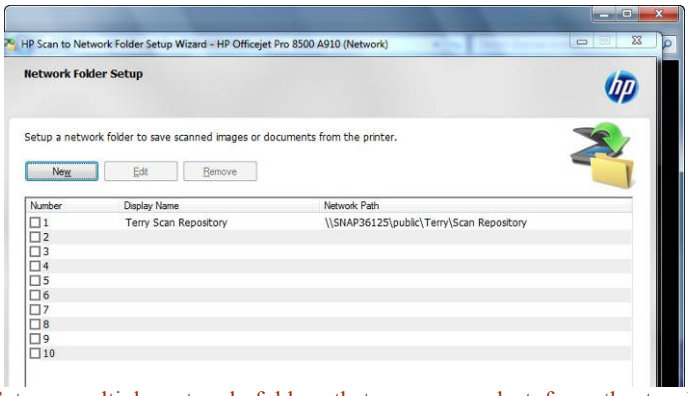
Perform periodic maintenance, such as aligning the print heads.

SCANNER ACTIONS

Scan a Document or Photo
Open the scan dialog
Scan to Network Folder Wizard
Scan from your printer to a network folder
Scan to E-mail Wizard
Send scans as e-mail attachments from your printer
Activate Scan to Computer
Activate scanning from your printer's control panel to th...

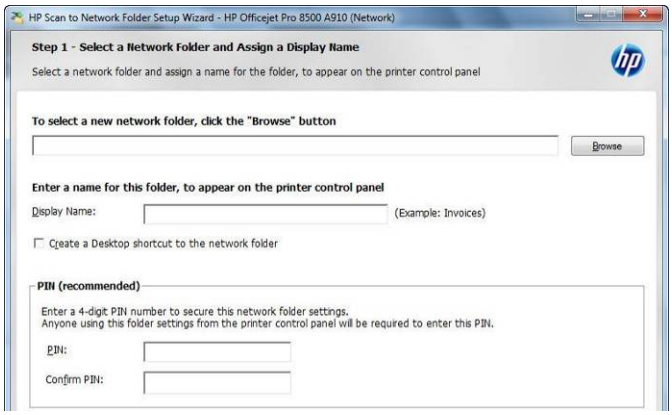
In the Scan Actions menu, you can launch the HP Scan utility for pull scanning (initiate scanning at your PC—see HP Scan utility below for more), and can also set up scan to e-mail, network folders, etc. from the touch screen.

Scan to Network Folder Wizard



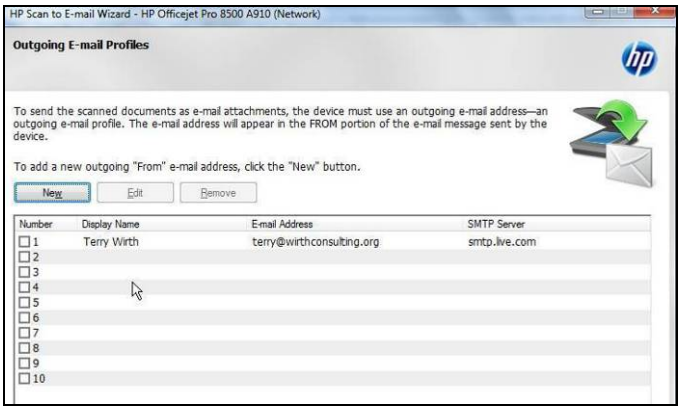
Set up multiple network folders that you can select from the touch screen, so that, from the device, you can scan a document and then route it to a network folder—up to 10 network folders can be set up.

Scan to Network Folder Wizard

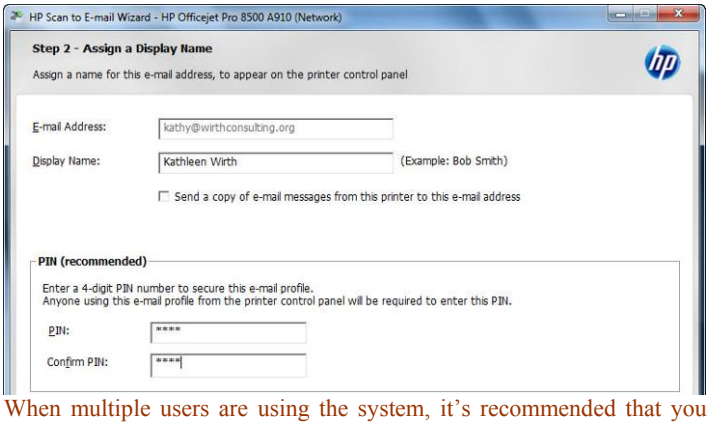

HP Scan to Network Folder Setup Wizard - HP Officejet Pro 8500 A910 (Network)
Step 1 - Select a Network Folder and Assign a Display Name
Select a network folder and assign a name for the folder, to appear on the printer control panel
To select a new network folder, click the "Browse" button
Browse
Enter a name for this folder, to appear on the printer control panel
Display Name:
(Example: Invoices)
Create a Desktop shortcut to the network folder
PIN (recommended)
Enter a 4-digit PIN number to secure this network folder settings.
Anyone using this folder settings from the printer control panel will be required to enter this PIN.
PIN:
Confirm PIN:

A nice security feature is that you can also protect each network folder with a PIN that a user must enter at the touch screen in order to scan to a specified network folder.

Scan to E-mail Wizard

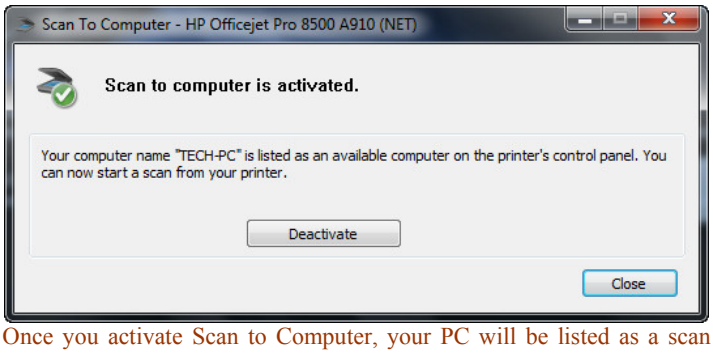


The Scan to E-Mail Wizard lets you quickly set up scanning and sending to e-mail addresses from the device's touch screen. You can create up to 10 different "From" e-mail addresses, and e-mail addresses can be PIN-protected. The software automatically finds the e-mail server.


HP Scan to E-mail Wizard - HP Officejet Pro 8500 A910 (Network)
Step 2 - Assign a Display Name
Assign a name for this e-mail address, to appear on the printer control panel
E-mail Address:
kathy@wirthconsulting.org
Display Name:
Kathleen Wirth
(Example: Bob Smith)
Send a copy of e-mail messages from this printer to this e-mail address
PIN (recommended)
Enter a 4-digit PIN number to secure this e-mail profile.
Anyone using this e-mail profile from the printer control panel will be required to enter this PIN.
PIN:
****
Confirm PIN:
****

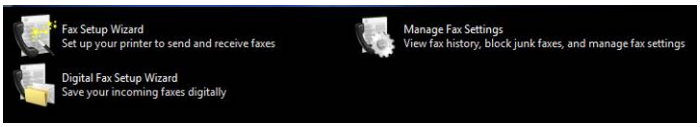
When multiple users are using the system, it's recommended that you PIN-protect each "From" e-mail address. That way, no one can send documents using other users' e-mail addresses.

Activate Scan To Computer

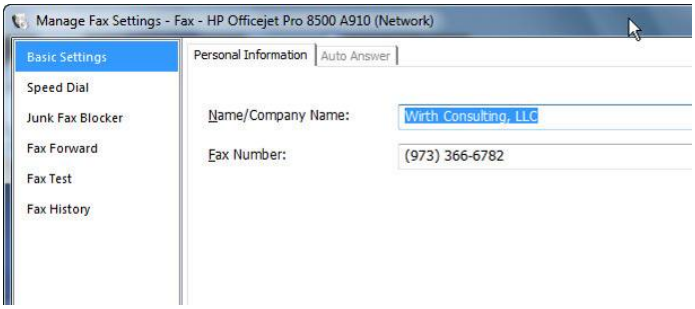

Scan To Computer - HP Officejet Pro 8500 A910 (NET)
Scan to computer is activated.
Your computer name "TECH-PC" is listed as an available computer on the printer's control panel. You can now start a scan from your printer.
Deactivate
Close

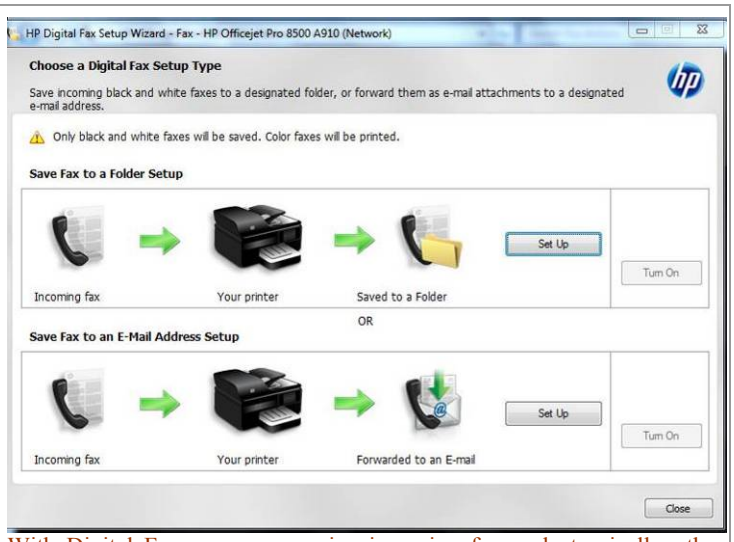
Once you activate Scan to Computer, your PC will be listed as a scan destination at the touch screen.

FAX ACTIONS


Fax Setup Wizard
Set up your printer to send and receive faxes
Manage Fax Settings
View fax history, block junk faxes, and manage fax settings
Digital Fax Setup Wizard
Save your incoming faxes digitally

In the Fax Actions menu, set up fax and adjust fax settings.



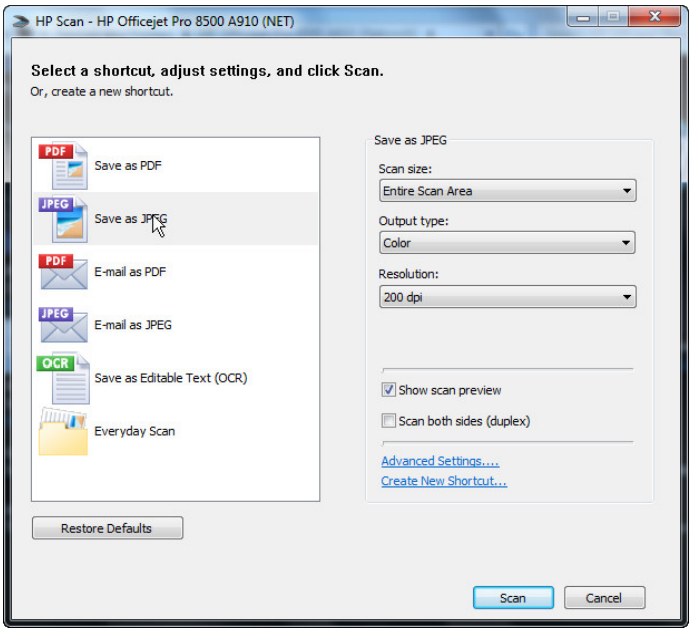

HP Digital Fax Setup Wizard - Fax - HP Officejet Pro 8500 A910 (Network)
Choose a Digital Fax Setup Type
Save incoming black and white faxes to a designated folder, or forward them as e-mail attachments to a designated e-mail address.
Only black and white faxes will be saved. Color faxes will be printed.
Save Fax to a Folder Setup
Incoming fax
Your printer
Saved to a Folder
Set Up
Turn On
OR
Save Fax to an E-Mail Address Setup
Incoming fax
Your printer
Forwarded to an E-mail
Set Up
Turn On
Close

With Digital Fax, you can receive incoming faxes electronically—the advantage is you save paper and ink, plus you can store incoming faxes in a network folder for easier retrieval versus storing them in a filing cabinet. You can also route faxes to a specified e-mail address, so that, for instance, you don't have to be at your Officejet in order to receive faxes—instead, you can be on the road and incoming faxes will automatically be e-mailed to you.

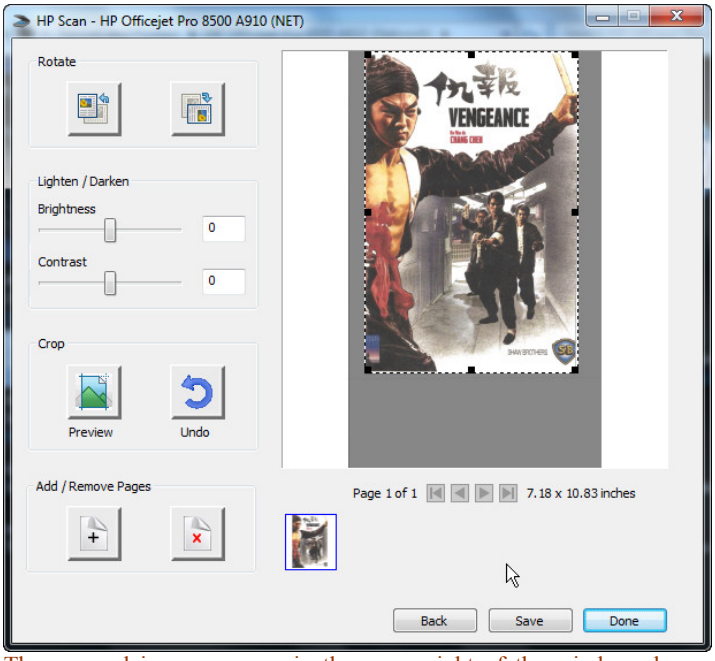
HP SCAN UTILITY

Devices and Printers ▸ HP Officejet Pro 8500 A910 (Network)
File Edit View Tools Help
HP Officejet Pro 8500 A910 (Network)
HP Officejet Pro 8500 A910
• 50% less cost per page than lasers
• 50% less energy use than lasers
Printer Actions
Change settings, defaults, and perform maintenance
Scanner Actions
Scan photos, documents, and more
Fax Actions
Setup fax, and manage fax settings
Estimated Ink Levels
See your current ink levels
HP ePrintCenter*
The central place to manage your printing experience on...
Help and Support
Get detailed, easy-to-use help and updates
Shopping
Get great deals on cool HP and partner products
HP Eco Solutions Online
Get tips, tools, and other useful information
Marketsplash by HP*
Grow your business. Marketing material made easy!
*Privacy Disclosures
Learn what data may be transmitted by items marked wi...

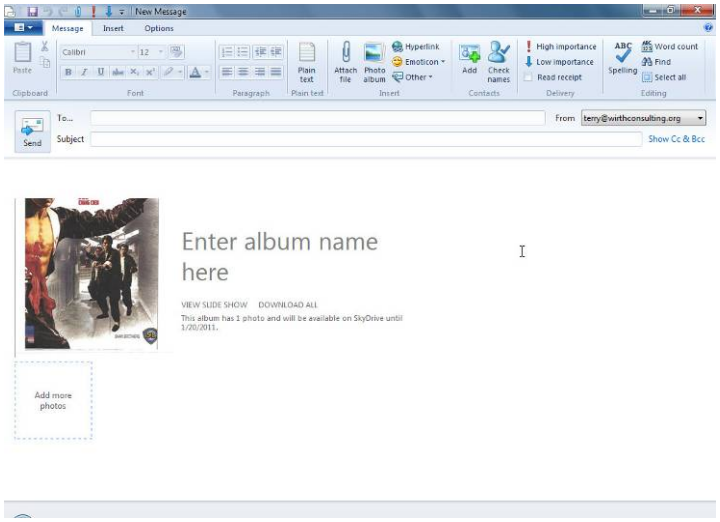
Pull scan from a PC using the HP Scan Utility is accessed from the main software console or the Microsoft Windows' Start menu. You can also use the scan driver from any TWAIN- or WIA-compliant application.



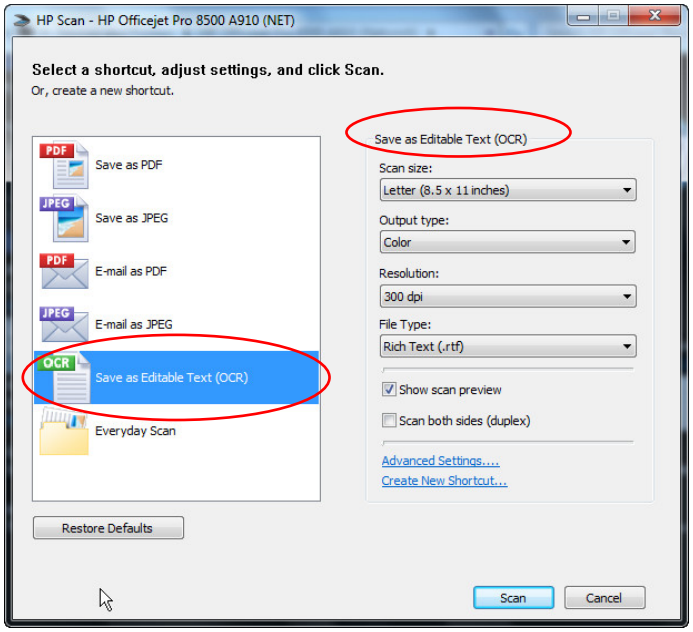
Convert and save scanned documents as Adobe PDFs, JPEGs, or as editable text documents. With the duplexing automatic document feeder, you have the advantage of being able to automatically scan both sides of two-sided documents.



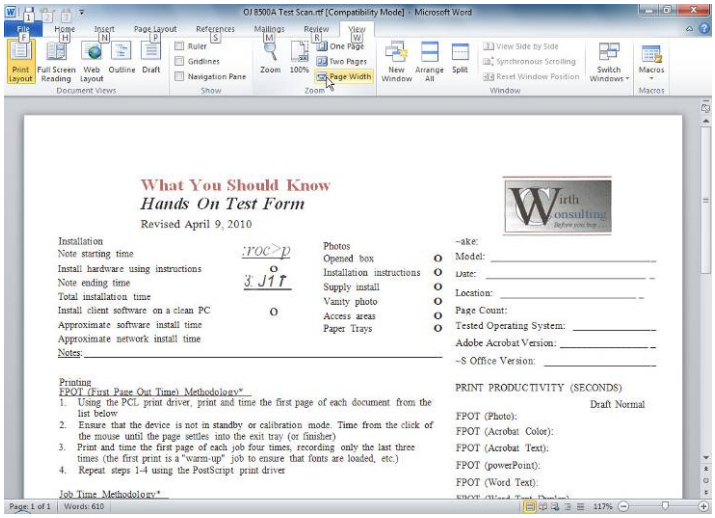
The scanned image appears in the upper right of the window above. There's a good range of adjustments you can make—rotate the image, crop it, add or remove pages, etc. The next step is to save it, either to your PC or to a network folder.



If you want to quickly e-mail someone a photo or document, select the E-Mail as PDF or JPEG options. With the scan to e-mail option, your default e-mail application launches a new e-mail message at your PC, and the photo(s) or document(s) are automatically attached in either JPEG or Adobe PDF format.

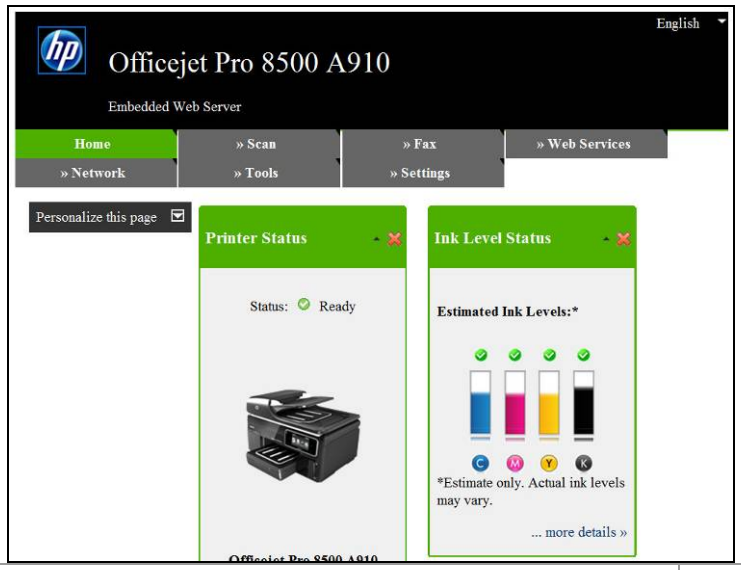


With the Save as Editable Text option, the file is scanned and the Readiris PRO 12 OCR software converts it into either an editable text or rich text file format.

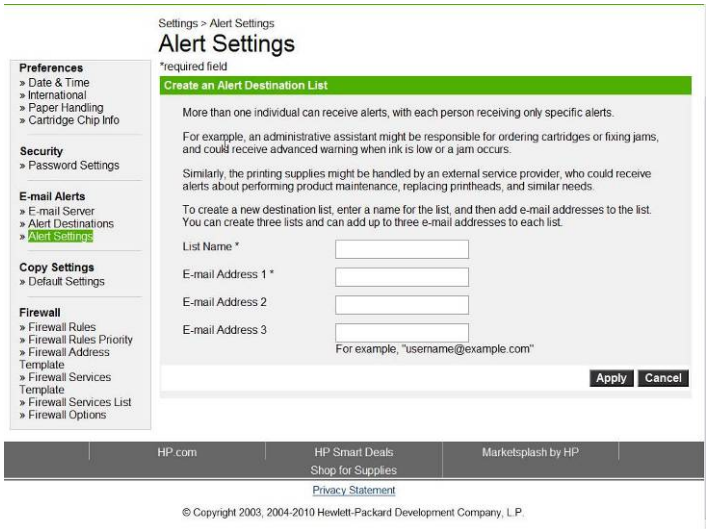


Actual OCR output (rich text format) viewed in Microsoft Word. The two-column format has been preserved.

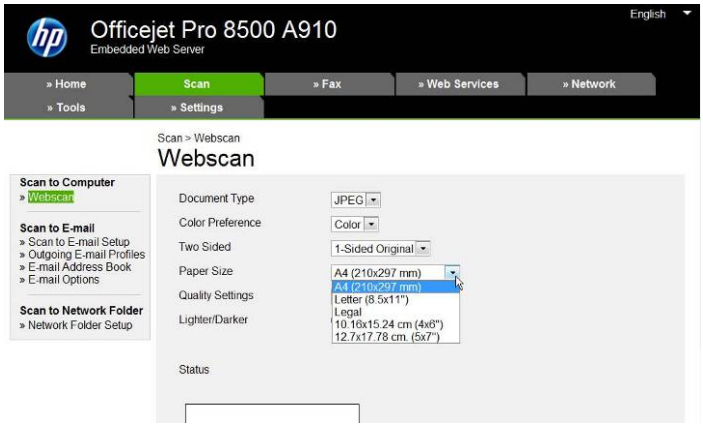
EMBEDDED WEB SERVER (EWS)



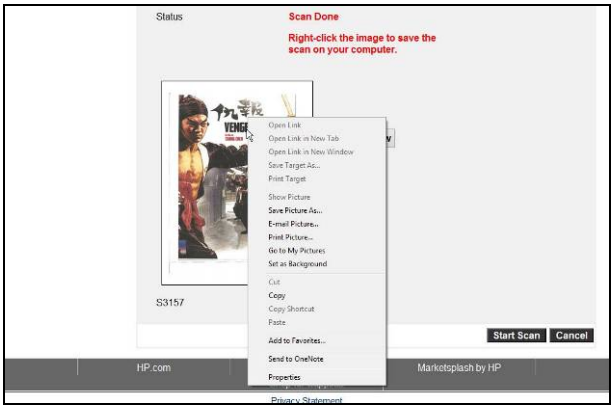
The Officejet Pro 8500A incorporates an Embedded Web Server (EWS), which is accessed by entering the printer's Internet Protocol (IP) address in the address field of a standard Web browser. It indicates current device status and ink-cartridge levels (*left*), and provides an alternate means of setting up and configuring walkup fax, electronic fax, scanning, network connectivity, and other functions. Because it's Web-based, you can remotely check on your Officejet. Following are some features of note:


Settings > Alert Settings
Alert Settings
*required field
Create an Alert Destination List
More than one individual can receive alerts, with each person receiving only specific alerts.
For example, an administrative assistant might be responsible for ordering cartridges or fixing jams, and could receive advanced warning when ink is low or a jam occurs.
Similarly, the printing supplies might be handled by an external service provider, who could receive alerts about performing product maintenance, replacing printheads, and similar needs.
To create a new destination list, enter a name for the list, and then add e-mail addresses to the list. You can create three lists and can add up to three e-mail addresses to each list.
List Name *
E-mail Address 1 *
E-mail Address 2
E-mail Address 3
For example, "username@example.com"
Apply
Cancel
Preferences
Security
E-mail Alerts
Copy Settings
Firewall
HP.com
HP Smart Deals
Shop for Supplies
Marketsplash by HP
Privacy Statement
© Copyright 2003, 2004-2010 Hewlett-Packard Development Company, L.P.

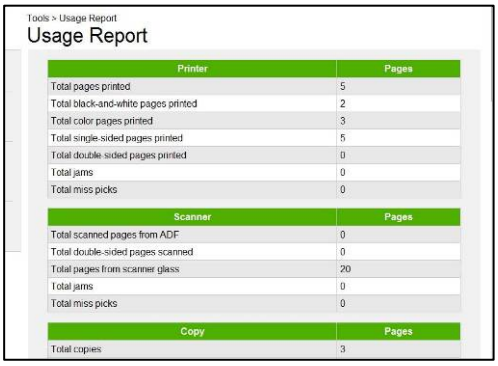
To minimize any downtime due to status conditions, you can configure automatic e-mail alerts, so that specified users are automatically alerted to conditions requiring attention, for instance, a paper jam or low ink.



The Webscan utility is a convenient utility that enables you to initiate scanning from your PC (pull scanning) without having to install software.



Once you've scanned the file or photo, you can then save it, e-mail it, etc.



You can also back-up settings for all functions. In the event settings are lost, you can then quickly restore them (so you won't have to re-enter fax speed-dial numbers, scan-destination network folders, defaults, etc.). Also useful are Usage Reports, which show how many pages have been printed, copied, printed in color, etc.

HARDWARE INSTALLATION

One of the key criteria when evaluating digital-imaging devices for small and mid-size offices is that they be easy to set up and maintain. This is especially critical in the small office, as small offices typically lack dedicated, experienced IT personnel.

After opening the shipping carton, user documentation and software is easy to find, as it's located right on top. Note the extra set of color ink cartridges in the lower right.

Included documentation and software (from left to right): Unpacking, Setup & Installation Instructions; Getting Started Guides; and HP Officejet Pro 8500A and I.R.I.S. Readiris PRO 12 software CDs.

Hardware Installation Time*: 39 minutes
*Timed from removal of the unit and accessories and installation, to printing a test page.

Setting up the Officejet Pro 8500A's hardware took approximately 39 minutes. Setup included: removing the system from its shipping carton, removing protective tape, installing the duplex unit, and installing the two print heads and four ink cartridges. Note that a majority of the time consisted not of performing tasks, but of waiting for the system to complete print calibration, so that during this time, you can actually be installing software.

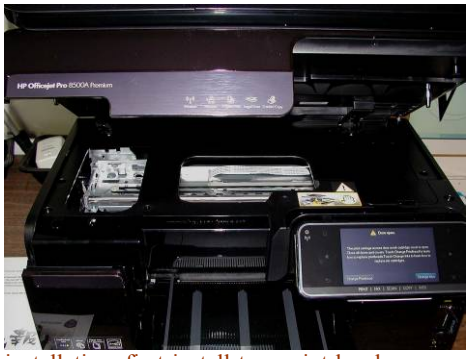
STRENGTHS

- Hardware setup of the Officejet Pro 8500A Plus was very easy. Although one person will be most likely be able to remove the system from its shipping carton and place it on a desk or table, two people should do this just to be on the safe side. There is a minimal amount of protective tape and packaging to remove, and installing the duplex unit, two print heads, and four ink cartridges is very easy.

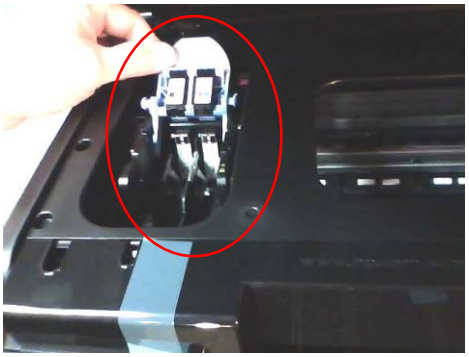
LIMITATIONS

- None.

INSTALLING PRINT HEADS



Upon initial installation, first install two print heads—one print head for black and yellow inks, another for cyan and magenta inks. First raise the scanner assembly—it stays propped open by itself—so you don't have to fool around with a prop rod.



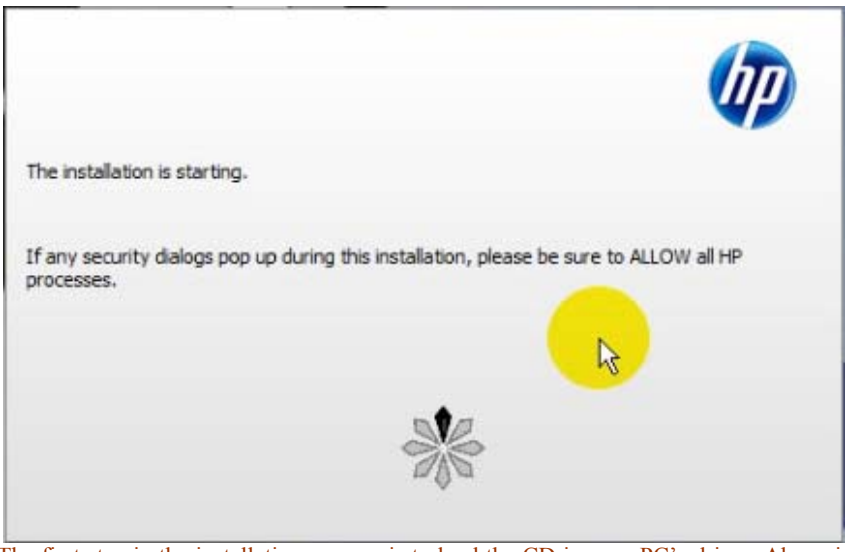
On the left, lift up this latch; the print heads are housed beneath.

Unwrap the print head and remove the two orange protective pieces. Insert the print head into its color-coded slot, and then perform the same procedure for the magenta/cyan print head.

After installing both print heads, close the latch. Then close the scanner assembly. Altogether, installing the two print heads is very easy and should only take a few minutes.

SOFTWARE AND NETWORK INSTALLATION

The Officejet Pro 8500A Series ships with a CD containing an installation utility, print and fax drivers, and user software. There's also a CD for Readiris Pro 12 OCR software.


The installation is starting.
If any security dialogs pop up during this installation, please be sure to ALLOW all HP processes.

The first step in the installation process is to load the CD in your PC's drive. Above is just a reminder to set your security software to allow the installation process.

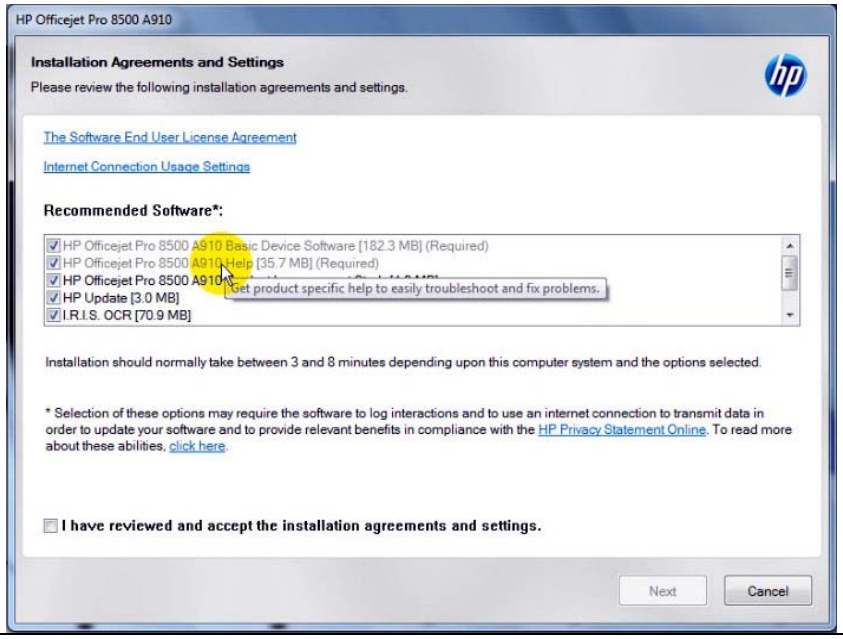
Software & Wireless Network Installation:23.38 minutes

STRENGTHS

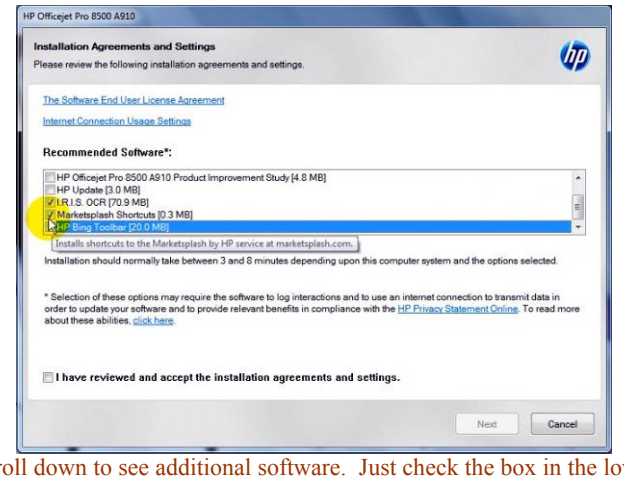
- Software and wireless network installation was easy, and we only had to "click through" about three screens. As we've found with other HP installation procedures, the provided guidance is straightforward and easy to follow, so that even novice users should have no difficulty installing software and connecting to a wired or wireless network, or directly via USB port.
- Because the Officejet Pro 8500A features cloud-based software, fewer and less-resource intensive utilities were installed. The fewer utilities you need to install on a PC, the faster the installation and the less drain on PC resources.
- Very easy wired/wireless network installation can be performed during the installation process or via the touch screen.
- Software installation can be performed during hardware installation while the system is calibrating. Consequently, total installation time will be less than indicated by our findings, which were based on separate, timed processes.

LIMITATIONS:

- None.


HP Officejet Pro 8500 A910
Installation Agreements and Settings
Please review the following installation agreements and settings.
The Software End User License Agreement
Internet Connection Usage Settings
Recommended Software*:
HP Officejet Pro 8500 A910 Basic Device Software [182.3 MB] (Required)
HP Officejet Pro 8500 A910 Help [35.7 MB] (Required)
HP Officejet Pro 8500 A910
HP Update [3.0 MB]
I.R.I.S. OCR [70.9 MB]
Get product specific help to easily troubleshoot and fix problems.
Installation should normally take between 3 and 8 minutes depending upon this computer system and the options selected.
* Selection of these options may require the software to log interactions and to use an internet connection to transmit data in order to update your software and to provide relevant benefits in compliance with the HP Privacy Statement Online. To read more about these abilities, click here.
I have reviewed and accept the installation agreements and settings.
Next
Cancel

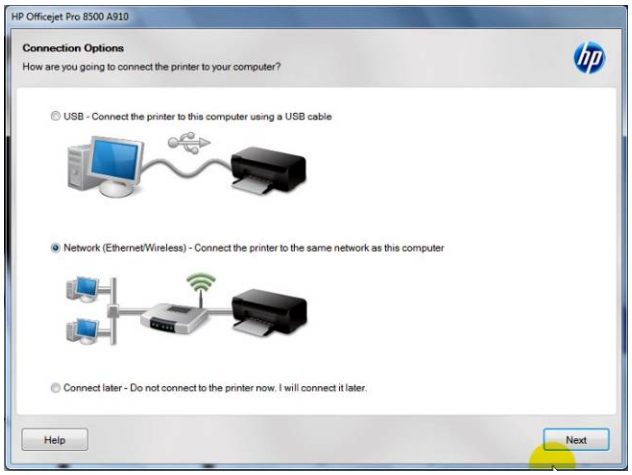
Select which software components to install—required software is already checked. This is a new, streamlined interface that shows more clearly what software is required and what's optional. At the minimum, make sure to check HP Update to enable automatic updates that can improve performance, and Readiris OCR software for converting scanned files into text-editable documents.


HP Officejet Pro 8500 A910
Installation Agreements and Settings
Please review the following installation agreements and settings.
The Software End User License Agreement
Internet Connection Usage Settings
Recommended Software*:
HP Officejet Pro 8500 A910 Product Improvement Study [4.8 MB]
HP Update [3.0 MB]
I.R.I.S. OCR [70.9 MB]
Marketsplash Shortcuts [0.3 MB]
HP Bing Toolbar [20.0 MB]
Installs shortcuts to the Marketsplash by HP service at marketsplash.com.
Installation should normally take between 3 and 8 minutes depending upon this computer system and the options selected.
* Selection of these options may require the software to log interactions and to use an internet connection to transmit data in order to update your software and to provide relevant benefits in compliance with the HP Privacy Statement Online. To read more about these abilities, click here.
I have reviewed and accept the installation agreements and settings.
Next
Cancel

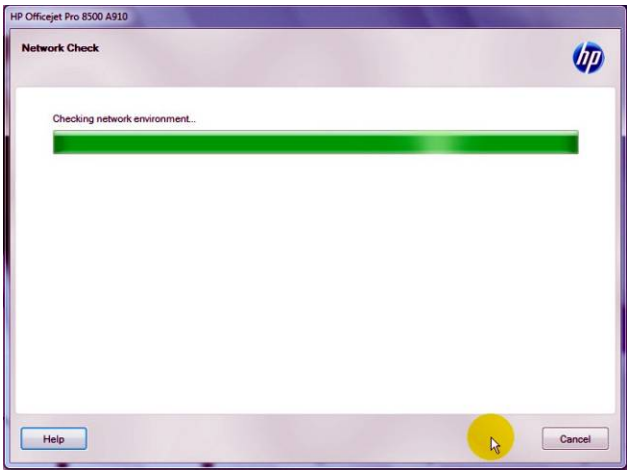
Scroll down to see additional software. Just check the box in the lower left corner after making your selections.

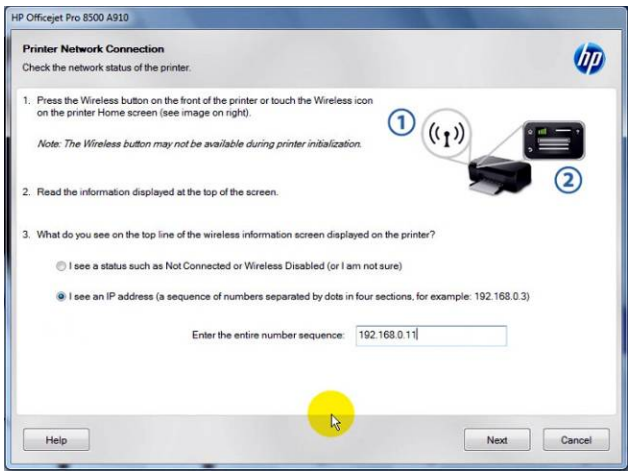
HP Officejet Pro 8500 A910
Installing
The selected software is being installed.
The Operating System is preparing for driver installation...
Thank you for choosing HP
Cancel

Software is then installed…

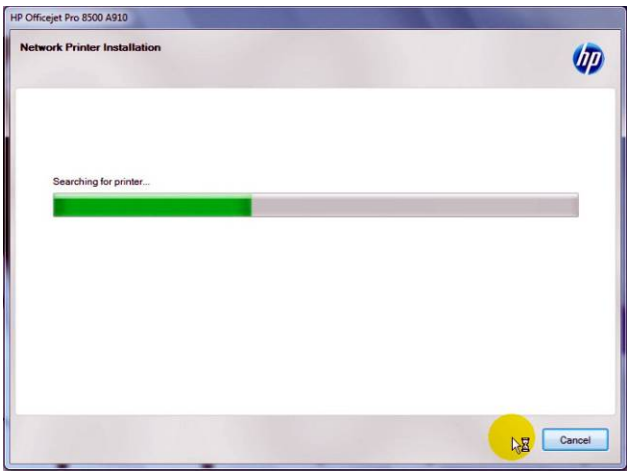

HP Officejet Pro 8500 A910
Connection Options
How are you going to connect the printer to your computer?
USB - Connect the printer to this computer using a USB cable
Network (Ethernet/Wireless) - Connect the printer to the same network as this computer
Connect later - Do not connect to the printer now. I will connect it later.
Help
Next

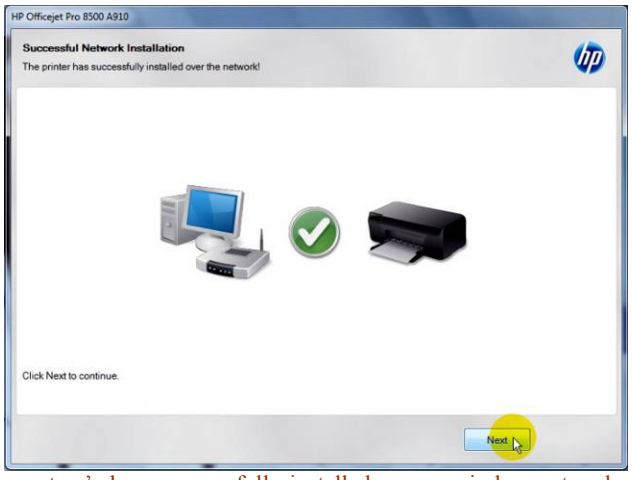
Select either direct USB connection or wireless network connectivity (we selected wireless).



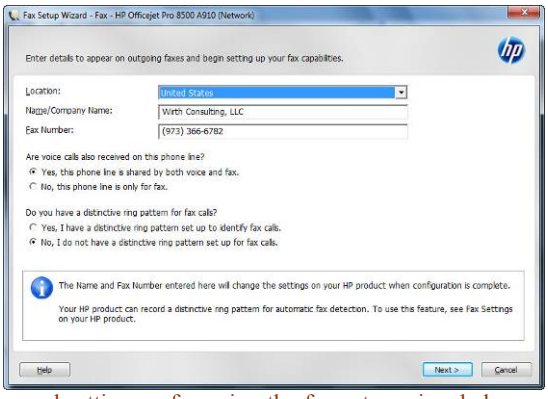

HP Officejet Pro 8500 A910
Printer Network Connection
Check the network status of the printer.
1. Press the Wireless button on the front of the printer or touch the Wireless icon on the printer Home screen (see image on right).
Note: The Wireless button may not be available during printer initialization.
2. Read the information displayed at the top of the screen.
3. What do you see on the top line of the wireless information screen displayed on the printer?
I see a status such as Not Connected or Wireless Disabled (or I am not sure)
I see an IP address (a sequence of numbers separated by dots in four sections, for example: 192.168.0.3)
Enter the entire number sequence:
192.168.0.11
Help
Next
Cancel

We received a message directing us to obtain the system's IP address from the touch screen. We then had to enter the Officejet's IP address here.




HP Officejet Pro 8500 A910
Successful Network Installation
The printer has successfully installed over the network!
Click Next to continue.
Next

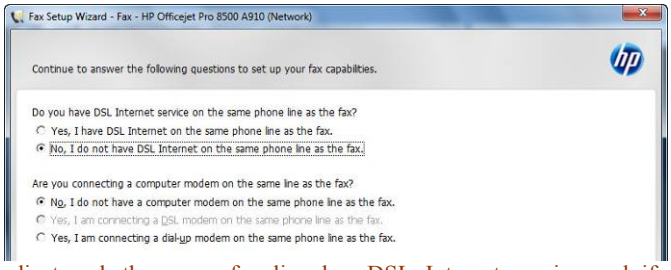
The system's been successfully installed on our wireless network. In total, we had to click through just a few screens, making software and network setup very easy. Select Next to set up fax using the fax-setup wizard.


Fax Setup Wizard - Fax - HP Officejet Pro 8500 A910 (Network)
Enter details to appear on outgoing faxes and begin setting up your fax capabilities.
Location:
United States
Name/Company Name:
Wirth Consulting, LLC
Fax Number:
(973) 366-6782
Are voice calls also received on this phone line?
Yes, this phone line is shared by both voice and fax.
No, this phone line is only for fax.
Do you have a distinctive ring pattern for fax calls?
Yes, I have a distinctive ring pattern set up to identify fax calls.
No, I do not have a distinctive ring pattern set up for fax calls.
The Name and Fax Number entered here will change the settings on your HP product when configuration is complete.
Your HP product can record a distinctive ring pattern for automatic fax detection. To use this feature, see Fax Settings on your HP product.
Help
Next >
Cancel

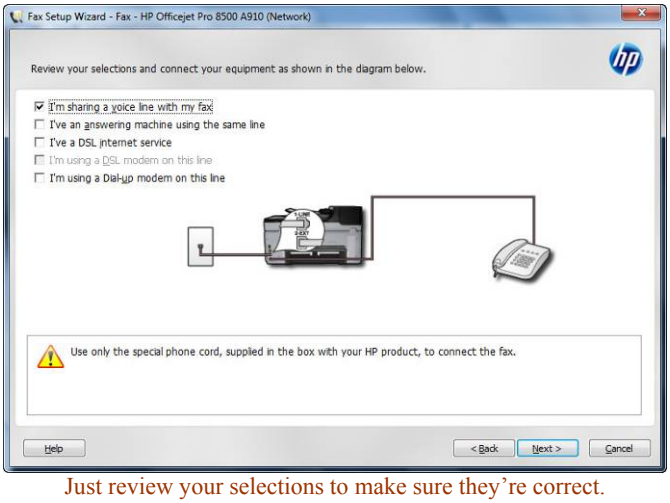
We recommend setting up fax using the fax-setup wizard above rather than setting up fax at the touch screen. (You can also easily set up fax at another time using the included HP software or Embedded Web Services.) First enter your location, name or company name, and then your own fax number. Then specify whether your fax will be a shared voice line. If your fax number will also be used for voice calls, you can enable distinctive ring, so that incoming fax calls will sound different than incoming voice calls.

Fax Setup Wizard - Fax - HP Officejet Pro 8500 A910 (Network)
Continue to answer the following questions to set up your fax capabilities.
Is there an answering machine or a voice mail service on the same phone line as the fax?
Neither an answering machine, nor a voice mail service is on the same phone line as the fax.
Only a voice mail service is on the same phone line as the fax.
Only an answering machine is on the same phone line as the fax.

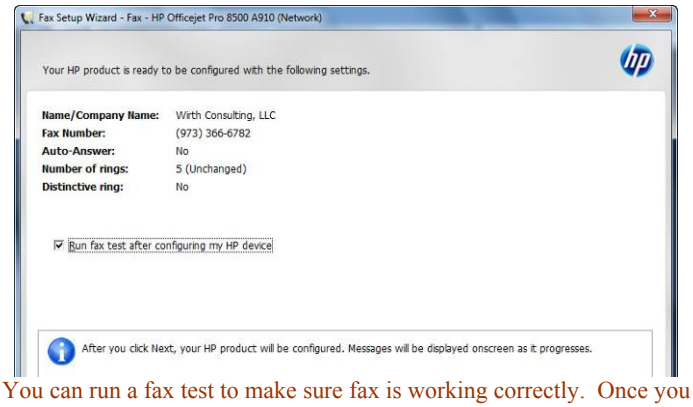
Indicate whether your line is being shared with an answering machine.


Fax Setup Wizard - Fax - HP Officejet Pro 8500 A910 (Network)
Continue to answer the following questions to set up your fax capabilities.
Do you have DSL Internet service on the same phone line as the fax?
Yes, I have DSL Internet on the same phone line as the fax.
No, I do not have DSL Internet on the same phone line as the fax.
Are you connecting a computer modem on the same line as the fax?
No, I do not have a computer modem on the same phone line as the fax.
Yes, I am connecting a DSL modem on the same phone line as the fax.
Yes, I am connecting a dial-up modem on the same phone line as the fax.

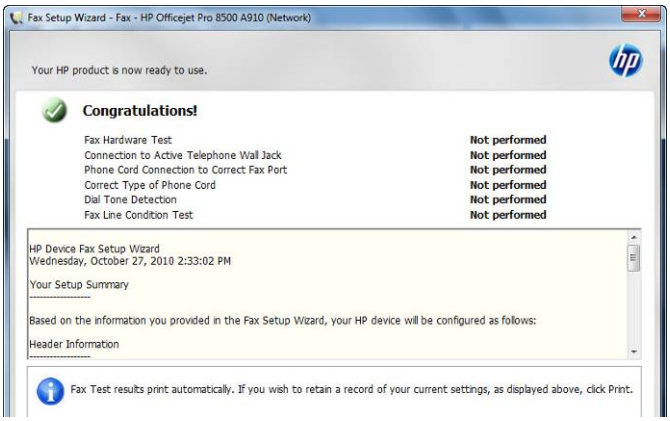
Indicate whether your fax line has DSL Internet service and if a computer modem will be sharing the line.


Fax Setup Wizard - Fax - HP Officejet Pro 8500 A910 (Network)
Review your selections and connect your equipment as shown in the diagram below.
I'm sharing a voice line with my fax
I've an answering machine using the same line
I've a DSL internet service
I'm using a DSL modem on this line
I'm using a Dial-up modem on this line
Use only the special phone cord, supplied in the box with your HP product, to connect the fax.
Help
< Back
Next >
Cancel

Just review your selections to make sure they're correct.


Fax Setup Wizard - Fax - HP Officejet Pro 8500 A910 (Network)
Your HP product is ready to be configured with the following settings.
Name/Company Name: Wirth Consulting, LLC
Fax Number: (973) 366-6782
Auto-Answer: No
Number of rings: 5 (Unchanged)
Distinctive ring: No
Run fax test after configuring my HP device
After you click Next, your HP product will be configured. Messages will be displayed onscreen as it progresses.

You can run a fax test to make sure fax is working correctly. Once you select Next, fax will be set up.


Fax Setup Wizard - Fax - HP Officejet Pro 8500 A910 (Network)
Your HP product is now ready to use.
Congratulations!
Fax Hardware Test Not performed
Connection to Active Telephone Wall Jack Not performed
Phone Cord Connection to Correct Fax Port Not performed
Correct Type of Phone Cord Not performed
Dial Tone Detection Not performed
Fax Line Condition Test Not performed
HP Device Fax Setup Wizard
Wednesday, October 27, 2010 2:33:02 PM
Your Setup Summary
Based on the information you provided in the Fax Setup Wizard, your HP device will be configured as follows:
Header Information
Fax Test results print automatically. If you wish to retain a record of your current settings, as displayed above, click Print.

Fax installation is complete. Altogether we just had to navigate through about six screens.

USER MAINTENANCE

Installing the four separate ink cartridges—one each for magenta, cyan, yellow and black—takes just a few minutes. With the Officejet Pro 8500A Premium, you get two sets of color ink cartridges.

The touch screen provides animated clips for performing routine tasks such as replacing ink cartridges. Just press the ? key on the upper right to access Help Topics and animated instruction clips.

STRENGTHS

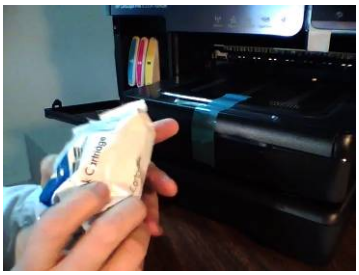
- **Replacing Imaging Supplies** – Loading ink cartridges is very easy—just unwrap the cartridge, lower the front door, and insert the cartridge into its color-coded slot. When re-ordering from HP's Web site, at HP's SureSupply Web page, just enter your printer name, and compatible ink cartridges are listed so there's no need to enter ink-cartridge part numbers.
- **Replenishing Media** – Adding paper to the top 250-sheet media drawer was straightforward—just lift up the output tray (it stays up), slide the paper guide out to the left, slide in the paper, and then adjust the left paper-width guide to fit the paper width. The second 250-sheet media drawer can be completely removed.
- **Removing Misfeeds** – There are only four potential misfeed areas: the internal paper path, media drawers, automatic document feeder, and duplex unit. All four areas are simple to access. The touch screen will indicate when a misfeed occurs and will display an animated clip showing how to remove it. No misfeeds occurred in testing.
- The touch screen conveniently displays animated clips showing how to load paper, replace ink, remove misfeeds, etc., and are a helpful addition, especially for new users.

LIMITATIONS

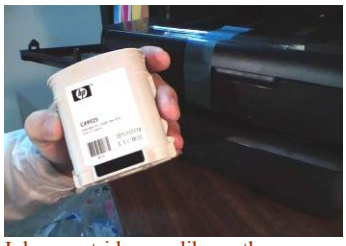
- None.

INSTALLING INK CARTRIDGES

The Officejet Pro 8500A series provides convenient front-panel access to ink cartridges. Just lower this door on the left of the unit's front panel.



Un-wrap the cartridge.



Ink cartridges like these are particularly eco-friendly, as there's no integrated print head and a minimal amount of packaging is involved—just the outer wrapping and a small tray. HP will also recycle used ink cartridges free of charge (see *Eco-Friendly Features* below for more).

Slide the ink cartridge into its color-coded slot. It snaps securely into place, so there's no guesswork involved.

REPLENISHING MEDIA

Loading media in the top 250-sheet media drawer is easy. Just lift up the 150-sheet media-output tray (it stays up on its own) and slide the geared side guides all the way out if necessary.

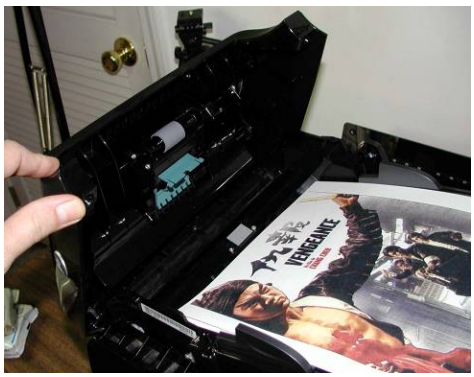
Slide in media, and then adjust the media-size guides to fit the media.

Extend the media tray to fit media longer than 11" and up to 14" (legal-size).

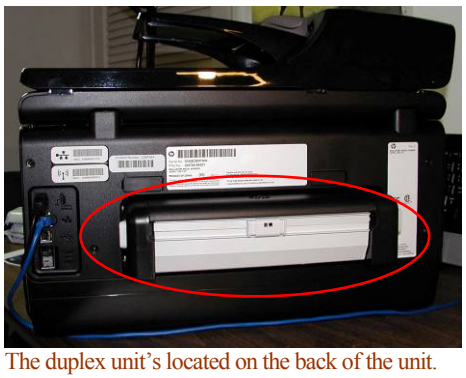
The second 250-sheet media drawer can be completely removed, which makes adjusting the media-size guide really easy. Or, if you don't need to change the media size, you can simply slip in media. It can also be extended to accommodate legal-size media.

MISFEED ACCESS

To access misfeeds that may occur in the internal paper path, just lift up the scanner assembly—the scanner assembly stays open on its own.



Lift up the automatic document feeder's cover to access any misfeeds that may occur there.



The duplex unit's located on the back of the unit.

Squeeze this white mechanism to look inside the duplex unit and pull out any misfed paper.

You can also easily remove the duplex unit by just squeezing on both sides and then pulling it out.

Here the duplex unit's been completely removed, so you can check inside the system itself for a misfeed. It's easy to just then slide the duplex unit back in. No misfeeds occurred in testing.

MEDIA HANDLING

The Officejet Pro 8500A series are A4 color All-in-Ones that print on up to 8.5"x14" (legal-size) media. The Premium configuration is equipped with 50-sheet duplexing automatic document feeder, two 250-sheet media drawers, 150-sheet output tray, and 8.5"x14" flatbed scanner. The Plus configuration is the same, except it has a single 250-sheet paper drawer. The base configuration has a 35-sheet simplex automatic document feeder, single 250-sheet media drawer, and 8.5"x 11.7" flatbed scanning glass.

Left is the Officejet Pro 8500A Premium's 50-sheet duplexing automatic document feeder that can scan both sides of a two-sided original; right is the unit's 150-sheet paper output tray that's located on top of the two 250-sheet enclosed media drawers. The output tray, as well as the two media drawers, can be extended to accommodate longer 8.5"x14" legal-size paper, while both the automatic document feeder and flatbed platen can be used to scan originals up to 8.5"x14".

Media Types Supported
Plain paper, thick plain paper, HP bright white paper, HP premium ink-jet paper, HP premium presentation paper, other inkjet papers, HP advanced photo papers, HP everyday photo paper, matte, other photo papers, HP premium ink-jet transparency film, other transparency films, other specialty papers, other greeting cards, HP brochure paper 180g, glossy, HP brochure and flyer paper, matte, HP Tri-fold brochure paper, other brochure papers, plain Hagaki, ink-jet Hagaki, cardstock.

Media Sizes Supported
Letter, legal, statement, executive, 3"x5", 4"x 6", 5"x7", 5"x8", 4"x10", 4"x11", 4"x12", 8" x10", envelopes (No. 10, Monarch, DL).

Min./Max. Media Sizes:	3.5"x5"/8.5"x14"
Min./Max. Custom Media Sizes:	3"x4"/ 8.5"x30"
Recommended Media Weight:	20-24 lb. bond (75 to 90 g/m^2)
Media Types:	Plain, photo, trans. film, greeting card, brochure, etc.
Std./Max Media Capacity:	500/500 sheets
Media Sources:	2
Automatic Document Feeder:	50 sheets
Automatic Duplexing Document Feeder:	Yes
Max. Paper Size Via Doc. Feeder:	8.5"x14"
Max. Paper Size Via Platen:	8.5"x14"
Output Paper Tray:	150 pages
Automatic Duplex Printing:	Yes
Envelope Capacity:	20
Borderless Printing:	Up to 8.5"x11"

STRENGTHS

- Automatic document feeder hold up to 50 originals for faster scanning of large documents.
- Duplexing automatic document feeder provides two-sided scanning of two-sided originals; this eliminates having to manually copy two-sided originals using the flatbed scanner.
- Automatic duplex printing reduces media consumption by up to 50 percent.
- Both media drawers are completely enclosed, protecting loaded paper from dust and humidity.
- Two media sources, so that, for instance, plain paper can be loaded in one source, and photo paper in another.

LIMITATIONS

- None.

The Officejet Pro 8500A Premium has a platen that is wide enough to handle legal-size (14") originals. Many devices in its class are limited to a platen width of 11."

COST PER PAGE

The Officejet Pro 8500A Series ships with a 940 black ink cartridge rated to yield 1,000 pages and priced at $25.99, and three individual color (cyan, yellow, magenta [CYM]) ink cartridges, with each rated to yield 900 pages each and priced at $19.99. This translates into black and CYMK color consumables' cost per page of 2.6¢ and 9.3¢ respectively (with page coverage of 5% black and 20% color).

Black Ink Price/Yield*:	$35.99/2,200 pages
Cyan Ink Price/Yield*:	$24.99/ 1,400 pages
Magenta Ink Price/Yield*:	$24.99/ 1,400 pages
Yellow Ink Price/Yield*:	$24.99/ 1,400 pages

*Pages at 5% area coverage. 940XL ink cartridges.

The higher-yield black 940XL cartridge yields approximately 2,200 pages and is priced at $35.99, while each 940XL CYM color cartridge yields 1,400 pages and is priced at $25.99, for black and CYMK color cost per page of 1.6¢ and 7.2 ¢ respectively. CYM-only (no black) cost per page is 5.3¢.

The Officejet Pro 8500A Premium configuration includes 50 sheets of HP brochure paper as well as an extra set of color ink cartridges.

Black/CYMK Color Supply Cost Per Page: 1.6¢/7.2¢*

*Pages at 5% area coverage. 940XL ink cartridges.

STRENGTHS

- Black and CYMK color cost per page of 1.6¢ and 7.2¢ respectively using 940XL cartridges. This is very economic compared to not only color ink-jet All-in-Ones in this class, but also compared to even more expensive color laser-based All-in-Ones, some of which have color cost per page as high as 14¢ or 18¢. Among a sampling of color laser and ink-jet All-in-Ones in this segment, black cost per page is as high as approximately 3¢ to 6¢, while color cost per page ranges from 10¢ to 22¢.
- Four individual ink cartridges means that users need only replace the ink cartridge that is depleted, avoiding waste. With multi-color ink cartridges, although one ink may be depleted, there may still be ink available for other colors; the user must however still replace the entire cartridge, which results in waste.
- Free next business-day shipping of ink cartridges purchased at HP.com; you can also compare prices from other online retailers at HP's Web store.

LIMITATIONS

- None.

SPACE/POWER CONSUMPTION/WARRANTY

STRENGTHS

- Standard one-year warranty and one-year technical phone support. Customers may upgrade to the optional Total One Package, which provides two additional years of protection, and HP's pick-up and return product program.

LIMITATIONS

- None.

HP TOTAL CARE

"When your HP printer, All-in-One and monitor is covered by the standard warranty you receive:

- Online support and troubleshooting.
- Software and driver downloads.
- Real-time chat support,
- E-mail assistance,
- One-year parts and labor coverage.

Technical support in English and Spanish—just call 800-474-6836."

SPACE REQUIREMENTS*	Width	Depth	Height
Footprint (inches):	19.76	16.85	12.12
Footprint: (mm):	501.90	427.99	307.85
Required Cubic Feet:			2.34
Required Cubic Centimeters:			66.13

WEIGHT*

Weight (lbs.):	33.88
Weight (Kg):	15.37

*Specifications for tested Officejet Pro 8500A Premium.

POWER REQUIREMENTS

Electrical Supply:	100 to 240 VAC (+/- 10%), 50 to 60 z
Active Power Consumption:	28 watts
Standby Mode:	6.3 watts
Power-Save Mode:	2.5 watts

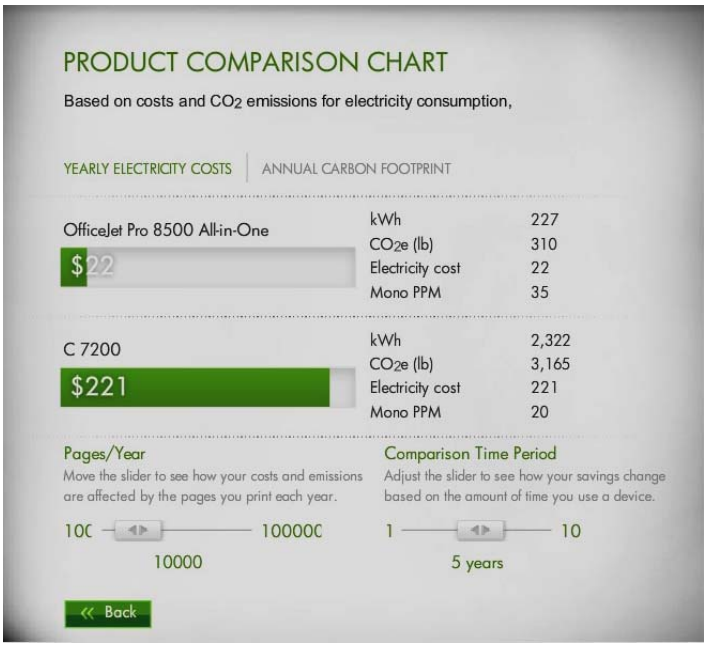
MAINTENANCE ACCESS

Access Requirements:	Front, top and back

WARRANTY

The Officejet Pro 8500A Series has a one-year warranty.

ECO-FRIENDLY FEATURES



With HP's carbon footprint calculator, you can compare annual energy costs for the Officejet 8500 series versus other color All-in-Ones and MFPs. Here we're comparing the Officejet Pro 8500 to an OKI C7200 color laser printer—annual energy costs for the Officejet are approximately $22 versus $221, based on typical U.S. energy costs and the specified page volume. A calculator is also available for fleets of printers and All-in-Ones. The calculator is available free of charge here, or visit http://www.hp.com/hpinfo/environment/index.html.

Hewlett-Packard Environmental Statement

To be exemplary global citizens, we strive for leadership by addressing the areas most critical to our stakeholders and our business. We place particular emphasis on our three priorities: climate and energy, product reuse and recycling, and supply chain responsibility, these issues have strategic importance to our business, stakeholder concerns and our ability to make a positive impact.

Hewlett-Packard Environmental Goals

2010 Environmental Goals

- HP will reduce the combined energy consumption and associated greenhouse gas emissions of HP operations and products by 25 percent below 2005 levels1.
- Improve energy efficiency for high-volume server families by 50 percent, relative to 2005.
- Reduce the energy consumption of volume desktop and notebook PC families by 25 percent, relative to 2005.
- Reduce water consumption by 5 percent, compared with 2007.
- Remove all mercury - a material commonly found in notebook screens - from its entire notebook line by the end of 2010.

2011 Environmental Goals

- Recycled plastic: Use a total of 100 million pounds, cumulatively from 2007, of recycled plastic in HP printing products.
- HP will improve the overall energy efficiency of HP ink and laser printing products by 40%, relative to 2005.
- For Imaging and Printing Group products, reduce the average weight of printer packaging per product by 35% (relative to 2005), use at least 35% recycled paper in cardboard packaging for printers and reduce the amount of plastic used in printer packaging by 50%, relative to 2005.

STRENGTHS

- Energy Star-certification means the system meets U.S. EPA power-conservation standards for low power consumption in power-save standby mode (2.5 watts).
- Eco-friendly, minimal packaging for ink cartridges—there's just an outer wrap and a plastic tray. In contrast, there's far more packaging required for supplies for toner-based devices.
- The Officejet 8500A Series consumes a maximum of 28 watts of power. A look at Wirth Consulting's database indicates that color laser systems typically consume at least 400 watts of power during operation (with many consuming up to 500 and 700 watts). This means that the Officejet 8500A Series consumes approximately one-tenth the power of color laser systems. Customers will not only pay for less energy consumption, but will contribute less to carbon emissions.
- The Officejet Pro 8500A Series provides standard automatic duplexing so that users can conserve paper use in print, copy, and fax modes by up to 50 percent, helping to reduce consumption of natural resources.
- HP provides an ink-cartridge recycling program, Planet Partners, which is available in 42 countries and territories around the world. HP will not refill, resell, or send cartridges to landfills, but will instead recycle them. The company will also recycle used HP printers and other HP imaging equipment via its HP Consumer Buyback and Planet Partners Recycling Program. With this program, customers can avoid contributing to landfills, as HP will provide prepaid shipping for the return of the products for recycling.
- HP's Smart Web Printing utility can help users reduce paper consumption when printing Web content. This free Web utility enables users to select and combine Web pages from different Web sites, so that users do not print pages with only small amounts of content (with pages being mostly blank), saving paper.

LIMITATIONS

- None.

RECOMMENDATION

HP's new Officejet Pro 8500A Series is based on the previous Officejet 8500's print engine, but adds a number of important new enhancements, some major, some minor, but all of which we found useful. In testing, we evaluated installation, image quality, productivity, ease-of-use, maintenance, and overall functionality. Throughout this process, the Officejet Pro 8500A Premium performed flawlessly while also displaying a cutting-edge feature set.

Reliability And Maintenance

During our evaluation, we did not observe any reliability, installation, or usage problems—no misfeeds or paper-feeding problems occurred, no paper-curling or ink smudging was observed, installing ink cartridges was clean and easy, printed output was neatly stacked, functions worked correctly, etc. A plus is that help and instructions for performing the maintenance that is occasionally required (such as automated print-head cleaning) is easy to perform, and the touch screen provides easy-to-follow instructions as well as animated clips demonstrating how to perform these tasks.

Ease of Use

The new touch screen provides superior readability and ease-of-use—menus flow well, and we found it easy to navigate, as well as quickly understand features via help provided by the touch screen. One thing that's key is that only the options you need for the function you're using (fax, scan, copy) are shown, making operation much simpler. In short, the touch screen really facilitates the ability of users to take advantage of all of the system's more advanced capabilities. There's also a QWERTY-style keypad for entering text such as e-mail addresses and names for scanned files, which is always preferable to using an alphanumeric keypad.

Another new upgrade in the ease-of-use department is a newly redesigned software suite that is streamlined and less demanding on the PC's resources. The software is non-intrusive and easy to use, and guidance is straightforward and easy to follow.

Image Quality

The Officejet Pro 8500A produced very good text (even down to 4 pt. font size), good resolution, and outstanding line and dot control for excellent text readability. The system also produced very good color photographic quality: ISO raw TIFF test photographs printed in testing displayed very good detail and color saturation—colors were vibrant, and flesh tones were realistic. Ultimately, while not on the same level as with much more expensive specialty photo printers with five or more ink colors, we found that color photographic quality will be more than acceptable for 95 percent of all color-photo printing applications and better than that produced by the previous Officejet Pro 8500.

Productivity

In testing, the Officejet Pro 8500A printed at up to 16.01 (black)/9.60 (color) ppm in normal mode, virtually matching (and in one case exceeding) HP's rated normal print speed of 15/11 ppm. Tested copy speed was slower at 7.94 (black)/5.53 (color) ppm in normal (default) mode using the document feeder, but faster at 12.98 (black)/7.89 (color) ppm using the flatbed scanning glass.

Mobile Printing With ePrint

With ePrint, print from any e-mail-capable device. Just launch an e-mail, attach the file, address the e-mail to your Officejet's unique e-mail address, and then send the e-mail. We sent jobs from a Palm Pre, Apple iPad, Apple iPod Touch, and Microsoft Windows PC. Files were accurately rendered, and the Officejet usually received the job and began printing in less than 20 seconds. This will be a great time saver and convenience for mobile users. We found it takes about 10 minutes to enable ePrint at HP's www.hpeprint.com, and it's easy to manage.

Print Apps

We had no difficulty using Print Apps, or managing, adding or removing them at the ePrint Web site. For business use, the forthcoming Google Docs app will provide easy access to users' documents stored on Google's cloud-based storage site. One of the key benefits of the this cloud-based Google storage site is that protected user files can be accessed from any Web-browser device—for instance, a salesman on the road can access a contract. With the Google Docs app, you'll be able to print your stored files from the touch screen, and also, using your Officejet's scan capability, convert and scan hardcopy to your Google Docs account. A Box.net app will provide similar capabilities.

The Officejet Pro 8500A's currently available Print Apps are devoted to news, personal use, and children's activities and education. There's really a wide array of content available, and what's key and keeps it interesting is that content is periodically updated—daily for instance with the Tabbloid app.

Office Features

The Officejet Pro 8500A series also provides a solid set of office-level features. At this point, its office features rival those of much higher priced MFPs distributed by office dealers. These include:

- Color network scanning—scan to network folders, e-mail, PCs, USB flash drives, and memory cards, plus there's pull scanning from the PC, and PIN-protected scan to e-mail addresses and network folders.
- Wired Ethernet and wireless network connectivity.
- Super Group 3 color fax, as well as PC fax for sending and receiving faxes at the PC. Received faxes can also automatically be routed to a network folder (and not printed), or to a specified e-mail address; with the latter, you can make sure you receive important faxes while out of the office by having them sent to your e-mail address.
- 50-sheet duplexing automatic document feeder (Premium and Plus configurations), legal-size platen (Premium and Plus), automatic duplex printing, and two 250-sheet media sources (Premium).
- Touch screen, including QWERTY-style keypad.

Cost Per Page

Cost per page is very economical using the 940XL ink cartridges—1.6¢ and 7.2¢ for black and CYMK color respectively. We've extensively researched cost per page for both ink-jet and laser cost per page, and 1.6¢ and 7.2¢ is at the low end of the scale for ink-jet and laser All-in-Ones. Among color laser and ink-jet All-in-Ones, black cost per page can be well over 2¢, and color cost per page can be as high as 14¢ to 22¢.

Summary

The new Officejet Pro 8500A Premium adds a lot of technology at minimal cost (currently $399.99 at HP's Web site). versus $369.99 for the previous Officejet Pro 8500 Premier when it was introduced. The system performed without a hitch in testing, and feature-for-feature, provides a lot of bang for the buck that's going to be tough to beat at low monthly print volumes by competitive ink-jet and laser systems available through both the office dealer and retail channels. Considering its seamless performance in testing, outstanding ease-of-use, enhanced office feature set, ePrint mobile printing, Print Apps, great color photo image quality, and very economic cost per page for both black and color, Wirth Consulting believes the Officejet Pro 8500A Premium is an *Outstanding* ink-jet color All-in-One, and will be an excellent work companion for small workgroups in small and mid-size businesses, and in home offices.

ABOUT WIRTH CONSULTING

Wirth Consulting was founded in order to provide independent competitive evaluations of digital-imaging equipment. Founder Terry Wirth has over 30 years of experience in the evaluation and testing of business-imaging equipment, and as former chairman and member since 1989 of the American Society for the Testing of Materials (ASTM) F05 Committee on Business Imaging Products, he has authored numerous, published ASTM test methods.

ABOUT WIRTH CONSULTING RATINGS

When Wirth Consulting rates imaging devices, it assigns the device one of the following ratings: Outstanding, Well Worth Consideration, Worth Consideration, and Not Worth Consideration.

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